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REPORT OF THE SECRETARY
OF THE SMITHSONIAN
INSTITUTION
AND
FINANCIAL REPORT OF
THE EXECUTIVE COMMITTEE OF
THE BOARD OF REGENTS
1945

SMITHSONIAN INSTITUTION
WASHINGTON, D. C.

REPORT OF THE SECRETARY OF THE SMITHSONIAN INSTITUTION

AND FINANCIAL REPORT OF THE EXECUTIVE COMMITTEE OF THE BOARD OF REGENTS

FOR THE
YEAR ENDED JUNE 30
1945



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UNITED STATES
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THE SMITHSONIAN INSTITUTION

June 30, 1945

Presiding Officer ex officio.—HARRY S. TRUMAN, President of the United States.

Chancellor.—HARLAN F. STONE, Chief Justice of the United States.

Members of the Institution:

HARRY S. TRUMAN, President of the United States.

—— Vice President of the United States.

HARLAN F. STONE, Chief Justice of the United States.

EDWARD R. STETTINIUS, Jr., Secretary of State.

HENRY MORGENTHAU, Jr., Secretary of the Treasury.

HENRY L. STIMSON, Secretary of War.

TOM C. CLARK, Attorney General.

FRANK C. WALKER, Postmaster General.

JAMES V. FORRESTAL, Secretary of the Navy.

HAROLD L. ICKES, Secretary of the Interior.

CLINTON P. ANDERSON, Secretary of Agriculture.

HENRY A. WALLACE, Secretary of Commerce.

FRANCES PERKINS, Secretary of Labor.

Regents of the Institution:

HARLAN F. STONE, Chief Justice of the United States, Chancellor.

—— Vice President of the United States.

ALBEN W. BARKLEY, Member of the Senate.

WALLACE H. WHITE, Jr., Member of the Senate.

WALTER F. GEORGE, Member of the Senate.

CLARENCE CANNON, Member of the House of Representatives.

EDWARD E. COX, Member of the House of Representatives.

B. CARROLL REECE, Member of the House of Representatives.

FREDERIC A. DELANO, citizen of Washington, D. C.

ROLAND S. MORRIS, citizen of Pennsylvania.

HARVEY N. DAVIS, citizen of New Jersey.

ARTHUR H. COMPTON, citizen of Illinois.

VANNEVAR BUSH, citizen of Washington, D. C.

FREDERIC C. WALCOTT, citizen of Connecticut.

Executive Committee.—FREDERIC A. DELANO, VANNEVAR BUSH, CLARENCE CANNON.

Secretary.—ALEXANDER WETMORE.

Assistant Secretary.—JOHN E. GRAF.

Administrative assistant to the Secretary.—HARRY W. DORSEY.

Treasurer.—NICHOLAS W. DORSEY.

Chief, editorial division.—WEBSTER P. TRUE.

Administrative accountant.—THOMAS F. CLARK.

Librarian.—LEILA F. CLARK.

Personnel officer.—B. T. CARWITHEN.

Property clerk.—JAMES H. HILL.

UNITED STATES NATIONAL MUSEUM

Director.—ALEXANDER WETMORE.

SCIENTIFIC STAFF

DEPARTMENT OF ANTHROPOLOGY:

Frank M. Setzler, head curator; A. J. Andrews, chief preparator.

Division of Archeology: Neil M. Judd, curator; Waldo R. Wedel, associate curator; J. R. Caldwell, scientific aid; J. Townsend Russell, honorary assistant curator of Old World archeology.

Division of Ethnology: H. W. Krieger, curator; R. A. Elder, Jr., assistant curator; Arthur P. Rice, collaborator.

Division of Physical Anthropology: T. Dale Stewart, curator; M. T. Newman, associate curator.*

Collaborator in anthropology: George Grant MacCurdy.

DEPARTMENT OF BIOLOGY:

Waldo L. Schmitt, head curator; W. L. Brown, chief taxidermist; Aime M. Awl, illustrator.

Division of Mammals: Remington Kellogg, curator; D. H. Johnson, associate curator*; R. M. Gilmore, associate curator; H. Harold Shamel, scientific aid; A. Brazier Howell, collaborator; Gerrit S. Miller, Jr., associate.

Division of Birds: Herbert Friedmann, curator; H. G. Deignan, associate curator; Alexander Wetmore, custodian of alcoholic and skeleton collections; Arthur C. Bent, collaborator.

Division of Reptiles and Batrachians: Doris M. Cochran, associate curator.

Division of Fishes: Leonard P. Schultz, curator; R. R. Miller, associate curator; Marie P. Fish, scientific aid.

Division of Insects: L. O. Howard, honorary curator; Edward A. Chapin, curator; R. E. Blackwelder, associate curator*; W. E. Hoffman, associate curator; W. L. Jellison, collaborator.

Section of Hymenoptera: S. A. Rohwer, custodian; W. M. Mann, assistant custodian; Robert A. Cushman, assistant custodian.

Section of Myriapoda: O. F. Cook, custodian.

Section of Diptera: Charles T. Greene, assistant custodian.

Section of Coleoptera: L. L. Buchanan, specialist for Casey collection.

Section of Lepidoptera: J. T. Barnes, collaborator.

Section of Forest Tree Beetles: A. D. Hopkins, custodian.

Division of Marine Invertebrates: Waldo L. Schmitt, curator; Mildred S. Wilson, assistant curator; Mrs. Harriet Richardson Searle, collaborator; Max M. Ellis, collaborator; J. Percy Moore, collaborator; Joseph A. Cushman, collaborator in Foraminifera.

Division of Mollusks: Paul Bartsch, curator; Harald A. Rehder, associate curator; Joseph P. E. Morrison, assistant curator.

Section of Helminthological Collections: Benjamin Schwartz, collaborator.

Division of Echinoderms: Austin H. Clark, curator.

Division of Plants (National Herbarium): W. R. Maxon, curator; Ellsworth P. Killip, associate curator; Emery C. Leonard, assistant curator; Conrad V. Morton, assistant curator; Egbert H. Walker, assistant curator; John A. Stevenson, custodian of C. G. Lloyd mycological collection.

Section of Grasses: Agnes Chase, custodian.

Section of Cryptogamic Collections: O. F. Cook, assistant curator.

Section of Higher Algae: W. T. Swingle, custodian.

Section of Lower Fungi: D. G. Fairchild, custodian.

Section of Diatoms: Paul S. Conger, associate curator.

*Now on war duty.

DEPARTMENT OF BIOLOGY—Continued.

Associates in Zoology: Theodore S. Palmer, William B. Marshall, A. G. Böving, W. K. Fisher, C. R. Shoemaker, E. A. Goldman.
 Associates in Botany: Henri Pittier, F. A. McClure.
 Collaborator in Zoology: Robert Sterling Clark.
 Collaborators in Biology: A. K. Fisher, David C. Graham.

DEPARTMENT OF GEOLOGY:

R. S. Bassler, head curator; Jessie G. Beach, aid.

Division of Mineralogy and Petrology: W. F. Foshag, curator; E. P. Henderson, associate curator; B. O. Reberholt, scientific aid; Frank L. Hess, custodian of rare metals and rare earths.

Division of Invertebrate Paleontology and Paleobotany: Gustav A. Cooper, curator.

Section of Invertebrate Paleontology: T. W. Stanton, custodian of Mesozoic collection; J. B. Reeside, Jr., custodian of Mesozoic collection; Paul Bartsch, curator of Cenozoic collection.

Division of Vertebrate Paleontology: Charles W. Gilmore, curator; C. Lewis Gazin, associate curator*; Norman H. Boss, chief preparator.

Associates in Mineralogy: W. T. Schaller, S. H. Perry.

Associate in Paleontology: T. W. Vaughan.

Associate in Petrology: Whitman Cross.

DEPARTMENT OF ENGINEERING AND INDUSTRIES:

Carl W. Mitman, head curator.

Division of Engineering: Carl W. Mitman, head curator in charge; Frank A. Taylor, curator.*

Section of Transportation and Civil Engineering: Frank A. Taylor, in charge.*

Section of Aeronautics: Paul E. Garber, associate curator,* F. C. Reed, acting associate curator.

Section of Mechanical Engineering: Frank A. Taylor, in charge.*

Section of Electrical Engineering and Communications: Frank A. Taylor, in charge.*

Section of Mining and Metallurgical Engineering: Carl W. Mitman, in charge.

Section of Physical Sciences and Measurement: Frank A. Taylor, in charge.*

Section of Tools: Frank A. Taylor, in charge.*

Division of Crafts and Industries: Frederick L. Lewton, curator; Elizabeth W. Rosson, assistant curator.

Section of Textiles: Frederick L. Lewton, in charge.

Section of Woods and Wood Technology: William N. Watkins, associate curator.

Section of Chemical Industries: Frederick L. Lewton, in charge.

Section of Agricultural Industries: Frederick L. Lewton, in charge.

Division of Medicine and Public Health: Charles Whitebread, associate curator.

Division of Graphic Arts: R. P. Tolman, curator.

Section of Photography: A. J. Olmsted, associate curator.

DIVISION OF HISTORY: T. T. Belote, curator; Charles Carey, associate curator; J. Russell Sirlouis, scientific aid; Catherine L. Manning, assistant curator (philately).

*Now on war duty.

ADMINISTRATIVE STAFF

Chief of correspondence and documents.—H. S. BRYANT.
Assistant chief of correspondence and documents.—L. E. COMMERFORD.
Superintendent of buildings and labor.—L. L. OLIVER.
Assistant superintendent of buildings and labor.—CHARLES C. SINCLAIR.
Editor.—PAUL H. OEHSER.
Accountant and auditor.—T. F. CLARK.
Photographer.—G. I. HIGHTOWER.
Property officer.—A. W. WILDING.
Assistant librarian.—ELISABETH H. GAZIN.

NATIONAL GALLERY OF ART

Trustees:

HARLAN F. STONE, Chief Justice of the United States, *Chairman*.
 EDWARD R. STETTINIUS, Jr., Secretary of State.
 HENRY MORGENTHAU, Jr., Secretary of the Treasury.
 ALEXANDER WETMORE, Secretary of the Smithsonian Institution.
 DAVID K. E. BRUCE.
 FERDINAND LAMMOT BELIN.
 DUNCAN PHILLIPS.
 SAMUEL H. KRESS.
 CHESTER DALE.

President.—SAMUEL H. KRESS.
Vice President.—FERDINAND LAMMOT BELIN.
Secretary-Treasurer.—HUNTINGTON CAIRNS.
Director.—DAVID E. FINLEY.
Administrator.—H. A. McBRIDE.
General Counsel.—HUNTINGTON CAIRNS.
Chief Curator.—JOHN WALKER.
Assistant Director.—MACGILL JAMES.

NATIONAL COLLECTION OF FINE ARTS

Acting Director.—RUEL P. TOLMAN.

FREER GALLERY OF ART

Director.—A. G. WENLEY.
Assistant Director.—GRACE DUNHAM GUEST.
Associate in research.—J. A. POPE.*
Associate in Near Eastern art.—RICHARD ETTINGHAUSEN.

BUREAU OF AMERICAN ETHNOLOGY

Chief.—MATTHEW W. STIRLING.
Assistant Chief.—FRANK H. H. ROBERTS, Jr.
Senior ethnologists.—H. B. COLLINS, Jr., JOHN P. HARRINGTON, W. N. FENTON.
Senior anthropologists.—H. G. BARNETT, G. R. WILLEY.
Collaborator.—JOHN R. SWANTON.
Editor.—M. HELEN PALMER.
Librarian.—MIRIAM B. KETCHUM.
Illustrator.—EDWIN G. CASSEDY.

INSTITUTE OF SOCIAL ANTHROPOLOGY.—JULIAN H. STEWARD, *Director*.

*Now on war duty.

INTERNATIONAL EXCHANGE SERVICE

Acting Chief.—HARRY W. DORSEY.

Acting Chief Clerk.—F. E. GASS.

NATIONAL ZOOLOGICAL PARK

Director.—WILLIAM M. MANN.

Assistant Director.—ERNEST P. WALKER.

ASTROPHYSICAL OBSERVATORY

Director.—LOYAL B. ALDRICH.

DIVISION OF ASTROPHYSICAL RESEARCH: Loyal B. Aldrich, in charge; William H.

Hoover, senior astrophysicist; Charles G. Abbot, research associate.

DIVISION OF RADIATION AND ORGANISMS: Earl S. Johnston, assistant director;

Edward D. McAlister, senior physicist;* Leland B. Clark, engineer (precision instruments); Robert L. Weintraub, associate biochemist; Leonard Price, junior physicist (biophysics).

*Now on war duty.

REPORT OF THE SECRETARY OF THE SMITHSONIAN INSTITUTION

ALEXANDER WETMORE

FOR THE YEAR ENDED JUNE 30, 1945

To the Board of Regents of the Smithsonian Institution.

GENTLEMEN: I have the honor to submit herewith my report showing the activities and condition of the Smithsonian Institution and the Government bureaus under its administrative charge during the fiscal year ended June 30, 1945. The first 14 pages contain a summary account of the affairs of the Institution; it will be noted that many activities usually included in this section are missing, wartime conditions again having forced their suspension. Appendixes 1 to 10 give more detailed reports of the operations of the National Museum, the National Gallery of Art, the National Collection of Fine Arts, the Freer Gallery of Art, the Bureau of American Ethnology, the International Exchanges, the National Zoological Park, the Astrophysical Observatory, the Smithsonian library, and of the publications issued under the direction of the Institution. On page 109 is the financial report of the executive committee of the Board of Regents.

As stated in last year's report, Dr. Charles G. Abbot, Secretary of the Institution since 1927, resigned on June 30, 1944, in order to devote himself to his researches in solar radiation. Having been Assistant Secretary of the Institution since 1925, by instruction of the Executive Committee I took over the duties of the position as Acting Secretary until the next meeting of the Board of Regents on January 12, 1945, when I was elected Secretary. I am fully mindful of the honor done me by the Board, as well as of the great responsibility devolving upon one called upon to direct the multitudinous and varied activities of such a large organization as the Institution has grown to be.

Next year, the Smithsonian will celebrate its one hundredth anniversary, so that for 99 years its officials and staff have devoted their best efforts to making it in very fact what the founder, James Smithson, desired, namely, an institution for the increase and diffusion of knowledge among men. Starting with only the Institution proper housed in a single building, the organization has developed and expanded its fields of activity until it now directs six Government bureaus, as well

as the privately endowed Freer Gallery of Art, and occupies five buildings on the Mall, besides the numerous buildings of the National Zoological Park in northwest Washington. From a single series, Smithsonian publications have expanded to include nine regular series and four others issued at infrequent intervals.

In promoting the increase of knowledge, the Institution conducts and sponsors original researches and scientific explorations, mainly in the fields of anthropology, biology, geology, and astrophysics; the diffusion of knowledge is accomplished through the publications just mentioned, through museum and art gallery exhibits, through the International Exchanges (of scientific and governmental publications), through radio programs and popular science news releases, and through answering the scientific inquiries of thousands of correspondents each year.

Throughout Smithsonian history the basic principle that has underlain its scientific work is that researches shall be prosecuted for the new knowledge to be gained alone, without regard to its possible economic usefulness. This simple principle has enabled the Institution to accomplish much more in the way of new additions to existing knowledge than might have been expected with its limited financial resources, and it is the intention to continue this type of operation.

I assumed the secretaryship in the midst of the trying times of World War II. A large proportion of the Institution's normal activities in research, exploration, and publication had been suspended so that the staff could devote itself to aiding the Army and Navy in the prosecution of the war. Some of this work is described later in this report. At the close of the fiscal year, however, victory had been achieved in Europe, and it was beginning to be apparent that the Japanese could not resist much longer. My first duty, therefore, will be to plan the orderly resumption of normal Smithsonian work, at the same time taking stock of the Institution's position in the light of postwar conditions. Two of the major problems facing the Institution at the close of the war are the inadequacy of the present buildings for the National Museum, and the need for more personnel in the scientific, clerical, and custodial categories. Steps to remedy both of these conditions are under consideration.

One of my first concerns was to review the relationship of the Institution with the Series Publishers, Inc., who published the Smithsonian Scientific Series. This set of 12 volumes was written and edited by members of the Institution's staff, and published and sold under contract by the above corporation, the Institution receiving author's royalties on all sales. Over the past several years numerous complaints had reached the Institution regarding the selling methods of the publisher's agents. I held a series of conferences with the officials

of the company, as a result of which it is believed the causes for complaint have been largely eliminated.

SPECIAL WARTIME ACTIVITIES

Technical information to armed forces.—Probably the Institution's most useful wartime function has been to furnish technical information requested by the Army, Navy, and war agencies. During the first years of the war information was urgently needed on the geography, peoples, disease-bearing insects and other animals, and other features of many little-known war areas, particularly in the Pacific theater. As many members of the Institution's scientific staff had visited or studied these regions, they were called upon with increasing frequency to furnish such information. Records kept by the Smithsonian War Committee showed more than 2,000 such requests during the first 2 years of war. As the Pacific war moved westward, however, first-hand information became available to the Army and Navy, and calls upon the Institution's staff during the past year began to diminish, although several staff members continued to be in almost continuous conference with Army and Navy officials.

Ethnogeographic Board.—The same sequence of events occurred in the case of the Ethnogeographic Board, a nongovernmental agency created cooperatively by the Smithsonian Institution, the National Research Council, the American Council of Learned Societies, and the Social Science Research Council, to act as a clearinghouse for anthropological and geographic information needed by the Army and Navy. During the earlier stages of the war the Board was called upon continually for information, reports, and assistance, and its very extensive file of American experts in many branches of science was in constant use. Around July 1, 1944, however, the need for such service began to taper off, and Dr. William Duncan Strong, the Director, returned to Columbia University to resume his duties as professor of anthropology. The Board was kept in operation under the direction of Dr. Henry B. Collins, Jr., of the Bureau of American Ethnology, who had assisted Dr. Strong from the beginning. Its services were in demand, though to a lesser extent, throughout the year.

Improvement of cultural relations with the other American republics.—A wartime service which the Institution was unusually well fitted to take part in was the Government's program for the improvement and extension of cultural relations with the other American republics. A number of projects in this field were undertaken soon after the beginning of the war, and these have been carried forward during the past year. The monumental Handbook of South American Indians, of which 50 percent of the authors are scientists of the other American republics, progressed satisfactorily under the continued

guidance of Dr. Julian H. Steward. Volumes 1 and 2 were in proof, and volumes 3 and 4 went to the printer toward the close of the year. The manuscript of the fifth and last volume was expected to be completed early in the coming year. The editorial costs of the Handbook, which will appear as a Bulletin of the Bureau of American Ethnology, have been defrayed by the Department of State.

The Institute of Social Anthropology, set up in 1943 under the directorship of Dr. Steward to carry out cooperative training in anthropological teaching and research with the other American republics, continued its work in Mexico jointly with the Escuela Nacional de Antropología of the Instituto Nacional de Antropología e Historia. Two members of the Institute's staff taught at the Escuela and, during the last half of the year, directed field research among the Tarascan Indians. In Perú, staff members studied Moche, an Indian community on the north coast, and supervised a field survey of the central Highlands of Perú by representatives of the Museos Históricos. In Brazil, teaching and research in Brazilian social anthropology were planned in cooperation with the Escola Livre de Sociologia e Política of São Paulo.

The third part of a "Checklist of the Coleopterous Insects of Mexico, Central America, the West Indies, and South America," by Dr. R. E. Blackwelder, appeared during the year. As stated in previous reports, this published list of one of the largest and most important groups of insects will be an invaluable aid in future entomological research in the Americas.

In addition to these major projects several members of the staff conducted field work in various South and Central American countries in cooperation with scientists of those countries.

Return of evacuated collections.—Early in the war many of the priceless and irreplaceable historical and scientific materials in the national collections were removed to a place of safety in anticipation of possible bombings of American cities. By November 1944 this potential danger was considered to be negligible, and all the evacuated material was brought back to the Institution. The specimens so handled occupied 21,000 cubic feet of space and weighed some 117,500 pounds. The transfer was made without damage in spite of the fact that many of the specimens were fragile and difficult to pack and to handle. Among the materials safely transported both ways were thousands of type specimens of mammals, birds, fishes, insects, plants, and other life forms, which are of vital importance to science. Other priceless specimens to make the trip were the original Star Spangled Banner, George Washington's field kit, and many other tangible evidences of America's past struggles to win and preserve her freedom. The scientific and historical collections in American institutions and

museums assume an ever greater importance in view of the destruction of a great many such collections in Europe.

Smithsonian War Background Studies.—The series of publications started early in the war to present authentic information on the peoples, geography, history, and other features of war areas, entitled "War Background Studies," was concluded during the year. Details of the series are given later in this report, and I will say here only that the demand for the books far exceeded the expectations of the Institution, and it was found necessary to reprint all of them, some a number of times, not only for distribution by the Institution, but also for the official use of the Army and Navy. The total number of copies printed for both the Institution and the armed services was 632,225.

SUMMARY OF THE YEAR'S ACTIVITIES OF THE BRANCHES OF THE INSTITUTION

National Museum.—All possible efforts of the staff were concentrated on projects related to the prosecution of the war, though these naturally lessened toward the close of the year. Several members of the staff worked in connection with the Department of State's program for cultural cooperation with the other American republics, involving travel and study in Mexico, Haiti, Chile, and Panamá. During the year, 232,822 specimens were added to the collections, bringing the total number of catalog entries to 18,151,400. Worthy of special mention among the new accessions were the following: In anthropology, 5,677 specimens from Indian village sites in Scott and Lane Counties, Kans., a large number of specimens from various islands in the Pacific, and the valuable Arthur Michael collection of early American silver; in biology, a collection of 600 birds from Panamá, 700 reptiles and amphibians from the Indo-Pacific region, the Dayton Stoner collection of Scutelleroidea, 25,000 mollusks from the Perlas Islands, Panamá, and two lots of plants from Colombia totaling 3,720 specimens; in geology, a number of rare and valuable gems and minerals, including the finest specimen so far recovered of the new mineral brazilianite, several meteorites, including the 1,164-pound Drum Mountain, Utah, meteorite, and 10,000 fossil specimens collected in the Paleozoic of the southern Appalachians by Dr. Charles Butts; in engineering and industries, the first experimental jet-propelled plane built in this country, a well-preserved 1902 Oldsmobile, and the entire equipment and furnishings of an Old World apothecary shop of the period 1750; in history, a series of 50 bronze statuettes by Max Kalish of distinguished Americans, known as The Living Hall of Washington, 1944. The total number of visitors to the Museum during the year was 1,730,716, an increase over last year of 197,951.

The year's publications included 1 Bulletin, 1 Contribution from the National Herbarium, and 18 Proceedings papers. Among the important staff changes were the advancement of John E. Graf from Associate Director of the Museum to Assistant Secretary of the Smithsonian Institution; the appointment of Dr. Raymond M. Gilmore as associate curator in the division of mammals, William E. Hoffmann, associate curator in the division of insects, Robert A. Elder, Jr., as assistant curator in the division of ethnology, and Mrs. Mildred S. Wilson as assistant curator in the division of marine invertebrates.

National Gallery of Art.—The year's attendance at the Gallery was the largest since it was opened in 1941, the total being 2,078,739. Approximately 35 percent of these were men and women in the armed services. Sunday night openings with free concerts continued throughout the year with undiminished popularity. In October 1944 the Gallery published a book, *Masterpieces of Painting from the National Gallery of Art*, which contained 85 color reproductions of paintings in the collections. The public demand was so great that a second edition was being printed at the close of the year. A contract was entered into for the completion of six new galleries for exhibition of recent acquisitions of paintings and sculpture. All the works of art in protective storage in North Carolina during the war were brought back to the Gallery without damage in October 1944. Gifts included 80 important Italian, French, and Dutch paintings and 26 pieces of sculpture from Samuel H. Kress and the Samuel H. Kress Foundation, and a number of other paintings from various donors, as well as 1,740 prints and drawings from Lessing J. Rosenwald, and others from a number of donors. Twelve special exhibitions were held at the Gallery, including several of war paintings. Traveling exhibitions from the Index of American Design and the Rosenwald collection of prints were sent to art institutions in various parts of the country. The Gallery tours attracted more than 15,000 people, and nearly 27,000 attended the daily 10-minute lectures on the "Picture of the Week."

National Collection of Fine Arts.—The twenty-second annual meeting of the Smithsonian Art Commission was held on December 5, 1944, the annual meetings scheduled for the 2 previous years having been canceled on account of transportation conditions. A number of oil paintings and other art works that had been submitted since the last meeting in 1941 were accepted. The Commission adopted resolutions on the death of three former members, John E. Lodge in 1942, and Charles L. Borie and Dr. Frederick P. Keppel in 1943. Officers elected for the coming year were: Paul Manship, chairman; Frank Jewett Mather, Jr., vice chairman; and Dr. Alexander Wetmore, secretary. Seven miniatures were acquired through the Cathe-

rine Walden Myer fund. A number of paintings were lent to other organizations, including two to the White House, one of these—Max Weyl's "Indian Summer Day"—to be hung in President Truman's study. Eight special exhibitions were held, as follows: A selection of paintings from the William T. Evans collection of American paintings; group of portraits by Enit Kaufman, called "The American Century"; the Seventh Metropolitan State Art Contest; miniatures by the Pennsylvania Society of Miniature Painters; water colors of Latin America by Carl Folke Sahlin; paintings by modern Cuban painters; paintings and sculpture by members of the Society of Washington Artists; and drawings presented to the United States by the French Republic in 1915.

Freer Gallery of Art.—Additions to the collections included Egypto-Arabic bookbinding, Chinese bronze, Arabic and East Persian calligraphy, Chinese and Persian ceramics, Persian manuscript, Persian and Veneto-Islamic metalwork, Chinese, Indian, and Persian painting, Chinese sculpture, and Chinese silver. Curatorial work of the staff was devoted to the study of new acquisitions and to general research work within the collections, as well as to the preparation of material for publication. Reports were made on more than 2,000 objects submitted for examination by other institutions and by individuals. Work connected with the war included assistance given the Office of War Information by a staff member 4 days a week for 6 months, and the revision of official Government publications on China and Japan. The Gallery has heretofore been open to the public every day except Monday, but beginning January 29, 1945, it was open 7 days a week. The year's visitors totaled 72,186. Staff members gave 12 lectures during the year before various organizations. Among the changes in personnel were the appointment of Richard Ettinghausen as associate in Near Eastern art, and the detachment from the Gallery of John A. Pope, associate in research, for active duty as Captain, United States Marine Corps Reserve.

Bureau of American Ethnology.—Dr. M. W. Stirling, Chief of the Bureau, devoted 5 months to continuing the work of the Smithsonian Institution-National Geographic Society archeological project in southern Mexico. Reconnaissance work located a number of archeological sites, and excavations were conducted on a large earth mound covering a complex stone-masonry structure in Chiapas near the town of Ocozocoautla. A new large site of the La Venta culture was discovered on the Río Chiquito in southern Veracruz. It contained two large mound groups and a number of carved monuments, including the two largest La Venta colossal heads yet found. Dr. John P. Harrington spent a large part of his time in translating letters and documents in obscure languages for the Office of Censorship. In addition,

he prepared 12 articles on American Indian linguistic subjects. Dr. Frank H. H. Roberts, Jr., continued his studies of the Folsom material obtained from the Lindenmeier site in northern Colorado, including comparisons with artifacts from other early sites in the New World. Dr. Roberts served as liaison between the Smithsonian Institution and the Committee for the Recovery of Archaeological Remains, an organization representing several societies interested in the preservation of aboriginal materials that are in danger of being lost through the flooding of river areas by power-dam construction. Dr. Henry B. Collins, Jr., served as Director of the Ethnogeographic Board after the resignation of Dr. Strong. He also attended a meeting in Montreal to organize the Arctic Institute of North America, formed to promote scientific research in Alaska, Canada, and Greenland; later, as one of the governors of the Institute, he attended other meetings in Montreal to formulate plans for its operation. Dr. William N. Fenton continued his work as research associate of the Ethnogeographic Board, completing six reports on a survey of Army training programs in American universities. Toward the end of the year Dr. Fenton resumed his studies on the Iroquois Indians, visiting the Six Nations Reserve near Brantford, Canada. Dr. H. G. Barnett continued his studies of the general problem of cultural change, especially as related to Indian tribes of California, Oregon, and Washington, and one publication on this subject was nearly completed. Dr. Gordon R. Willey devoted a large part of the year to editorial work on the *Handbook of South American Indians*. He also studied and completed a report on several large collections of archeological specimens from southern Florida. The Institute of Social Anthropology, an autonomous unit of the Bureau under the directorship of Dr. Julian H. Steward, continued its program of cooperative teaching and field researches in Mexico and Perú, and an agreement was reached during the year for similar work in Brazil. Under Dr. Steward's editorship, the *Handbook of South American Indians* progressed materially. Volumes 1 and 2 were in proof, volumes 3 and 4 were completed and sent to the printer, and the fifth and last volume was in the final stages of preparation.

International Exchanges.—The International Exchange Service is the official agency of the United States for the exchange of governmental and scientific publications between this country and all other countries. The number of packages passing through the Exchange Service during the year was 386,758, with a total weight of 211,160 pounds. The franking privilege in transmitting packages through the mails was discontinued by the Post Office Department during the year, resulting in an increase in the costs and work involved in handling such packages. Although the war in Europe ended toward the

latter part of the year, it was not possible to resume exchange consignments to liberated countries by the close of the year. Accumulations for France, Italy, and Belgium, however, were forwarded through the Office of War Information, and those for Sweden, Palestine, and Egypt through the United States Despatch Agent in New York. Regular consignments were sent during the year to all countries in the Western Hemisphere, and in the Eastern Hemisphere to Great Britain and Northern Ireland, Republic of Ireland, Portugal, Union of Soviet Socialist Republics, Africa, India, Australia, and New Zealand. Shipments to other countries will be resumed as soon as conditions permit.

National Zoological Park.—The exhibition collection of animals has been maintained in good condition during the year, but to accomplish this with the serious shortage of personnel that prevailed, some phases of the care of the Park had to be neglected, and no improvements could be made. Increased personnel is the most urgent need of the Park. Visitors to the Zoo numbered 2,355,514 for the year, a considerable increase over last year. Among the interesting specimens presented to the Park were a pair of Solomon Islands cockatoos, a red-sided lory, three wallabies, a pigmy galago and two green fruit pigeons from the Gold Coast of Africa, a collection of brilliant cage birds from Costa Rica, and a pair of the rare antelope, *Oryx beatrix*, from Saudi Arabia. A list of the donors of specimens will be found in the full report on the Zoo, appendix 7. Notable among the births at the Park were a hybrid gibbon, a giraffe, and four chinchillas. Altogether, 58 mammals were born, and 21 birds were hatched. At the close of the year, the collection contained 2,623 individuals representing 686 species.

Astrophysical Observatory.—Dr. C. G. Abbot, for many years Director of the Observatory, retired from administrative duties on June 30, 1944, but will continue his investigations as research associate. L. B. Aldrich was named Acting Director, and on April 16, 1945, succeeded to the directorship. In the Division of Astrophysical Research two sets of experiments were carried out at the request of the Office of the Quartermaster General to determine the surface temperatures attained by various samples of military clothing under conditions similar to those of actual field use. Toward the close of the year another study was undertaken for the Quartermaster General of the radiation from sun and sky at Camp Lee, Va., in connection with tests being made at the camp. Much time was devoted to a compilation of all solar-constant values for the period October 1939 to January 1945, an extension of the table published in volume 6 of the Observatory's Annals. A study of these values, which cover a complete double sunspot period, showed a diametrically opposite relationship between solar-constant values and sunspot numbers in the two

halves of the period. Studies were continued of the effects of solar-radiation changes upon atmospheric circulation and related problems. Observations of the solar radiation were continued at the three field stations. In the Division of Radiation and Organisms, war researches on deterioration of cloth, cardboard, and wire insulation by molds and by ultraviolet light were concluded. The termination of this emergency work permitted the resumption of studies on photosynthesis and on the wave-length effects of light on growth. Work was also taken up on the influence of light on the respiration of the grass seedling, the course of development of the grass seedling as influenced by various factors, particularly radiant energy, and the reducing sugar content of etiolated barley seedlings as influenced by light.

THE ESTABLISHMENT

The Smithsonian Institution was created by act of Congress in 1846, according to the terms of the will of James Smithson, of England, who in 1826 bequeathed his property to the United States of America "to found at Washington, under the name of the Smithsonian Institution, an establishment for the increase and diffusion of knowledge among men." In receiving the property and accepting the trust, Congress determined that the Federal Government was without authority to administer the trust directly, and, therefore, constituted an "establishment" whose statutory members are "the President, the Vice President, the Chief Justice, and the heads of the executive departments."

THE BOARD OF REGENTS

During the year the following changes occurred in the personnel of the Board of Regents:

January 20, 1945, Harry S. Truman assumed office as Vice President of the United States, vice Henry A. Wallace, and thus became, ex officio, a member of the Board of Regents. On April 12, 1945, Mr. Truman acceded to the Presidency, on the death of President Roosevelt, the resulting vacancy in the office of Vice President creating a vacancy on the Board of Regents.

March 1, 1945, Senators Wallace H. White, Jr., of Maine, and Walter F. George, of Georgia, were appointed regents to succeed the late Senator Charles L. McNary and former Senator Bennett Champ Clark, respectively.

January 29, 1945, Representative B. Carroll Reece, of Tennessee, was appointed a regent to succeed former Representative Foster Stearns.

The roll of regents at the close of the fiscal year, June 30, 1945, was as follows: Harlan F. Stone, Chief Justice of the United States,

Chancellor; members from the Senate—Alben W. Barkley, Wallace H. White, Jr., Walter F. George; members from the House of Representatives—Clarence Cannon, Edward E. Cox, B. Carroll Reece; citizen members—Frederic A. Delano, Washington, D. C.; Roland S. Morris, Pennsylvania; Harvey N. Davis, New Jersey; Arthur H. Compton, Illinois; Vannevar Bush, Washington, D. C.; and Frederic C. Walcott, Connecticut.

Proceedings.—The annual meeting of the Board of Regents was held on January 12, 1945, with the following members present: Chief Justice Harlan F. Stone, Chancellor; Representative Clarence Cannon; citizen regents Harvey N. Davis, Arthur H. Compton, and Vannevar Bush, and the Acting Secretary, Dr. Alexander Wetmore.

The Acting Secretary presented the annual report covering the activities of the parent institution and of the several Government branches, including the financial report of the executive committee, for the fiscal year ended June 30, 1944, which was accepted by the Board. The usual resolution authorizing the expenditure by the Secretary of the income of the Institution for the fiscal year ending June 30, 1946, was adopted by the Board.

The annual report of the Smithsonian Art Commission was presented by the Acting Secretary and accepted by the Board. The Commission on December 5, 1944, held its first meeting since the commencement of the war, and took action on the acceptance of numerous works of art which had been offered to the Institution in the interim, including a number of paintings which had been purchased by the Council of the National Academy of Design from the fund provided by the Henry Ward Ranger bequest and were eligible for acquisition by the National Collection of Fine Arts under the provisions of this bequest. Vacancies on the Commission were caused by the death of Charles L. Borie, Jr., John E. Lodge, and Frederick P. Keppel, and the Commission recommended to the Board the names of George Hewitt Myers, Archibald G. Wenley, and Robert Woods Bliss to fill these vacancies, the recommendations being approved by the Board. Paul Manship was elected chairman of the Commission to succeed Mr. Borie, and Dr. Alexander Wetmore was elected secretary.

In connection with the proposed centennial celebration of the Institution during August 1946, the appointment of the following committees was announced: By the Chancellor, regents Bush, Delano, and Walcott, with the Chancellor as chairman; by the Acting Secretary, Messrs. Graf, Clark, True, and Roberts, with the Acting Secretary as chairman.

A report was received from the special committee of regents appointed at the last annual meeting of the Board to consider the policy of the Institution with respect to the tenure of office and retirement

provisions for the office of Secretary, and the several recommendations made by the special committee were adopted by the Board. In accordance with this procedure, the resignation of Dr. Charles G. Abbot as Secretary was accepted, and he was, by resolution, appointed as research associate of the Institution.

The Board then adopted a resolution electing Dr. Alexander Wetmore as Secretary of the Smithsonian Institution.

Resolutions were adopted by the Board regarding a study of the business management and future policies of the Institution.

In a special statement Dr. Wetmore outlined to the Board recent activities carried on by all branches of the Institution.

FINANCES

A statement on finances will be found in the report of the executive committee of the Board of Regents, page 109.

CENTENNIAL CELEBRATION

August 10, 1946, will be the one-hundredth birthday of the Smithsonian Institution. On that same date in 1846 the act was signed that established the Institution, culminating 8 years of debate in Congress as to how best to carry out the wishes of James Smithson, the English scientist who bequeathed his fortune to the United States of America "to found at Washington, under the name of the Smithsonian Institution, an establishment for the increase and diffusion of knowledge among men." In a human life the passage of a century brings venerable old age and usually the end of useful activity; for an organization such as the Smithsonian it merely marks the end of a conventional period of time and the beginning of a new period which must see the Institution continue to develop and expand in the furtherance of its stated objectives.

Such an anniversary clearly calls for a fitting celebration, and for the past several years plans have been shaping up. About the time these plans would have crystallized, however, the Nation was forced to go to war, and all such matters had to be held in abeyance. With the end of the war definite plans will be announced by the committee of the Board of Regents appointed to select the final form that the celebration will take.

THIRTEENTH ARTHUR LECTURE

Under the terms of the will of the late James Arthur, of New York, the Smithsonian Institution received in 1931 a fund, part of the income from which should be used for an annual lecture on some aspect of the science of the sun.

The thirteenth Arthur lecture was given by Matthew W. Stirling,

Chief of the Bureau of American Ethnology, on January 17, 1945, under the title "Sun Lore of the Indians." The lecture will be published, with illustrations, in the Report of the Smithsonian Institution for 1945.

PUBLICATIONS

One of the Smithsonian Institution's primary functions, the diffusion of knowledge, is carried out chiefly by means of its several series of publications. These record the results of original researches by members of the staff or by outside scientists working on the national collections under direction of the Institution. The Smithsonian Annual Report contains each year a selection of original or reprinted articles presenting new developments in nearly all branches of science; it continues in wide demand by librarians, teachers, and individuals interested in the progress of science. The vital importance to a nation of the vigorous promotion of science was dramatically demonstrated during World War II, and such semipopular reviews of science progress as the Smithsonian Reports have played a definite part in building the popular understanding and appreciation of science that is essential to its healthy growth.

The series of Smithsonian War Background Studies was brought to a conclusion during the year with the appearance of No. 20 on China, by A. G. Wenley and John A. Pope, and No. 21 on the Aleutian Islands, by Henry B. Collins, Jr., Austin H. Clark, and Egbert H. Walker. The widespread demand for the pamphlets continued, from Army and Navy organizations and personnel and from civilians. The largest reprint order so far received, totaling 180,000 books, was from the Army for use in orientation of officers and men transferred from Europe to the Pacific theater. The titles and authors of the entire series, which covered nearly every country and island group in the Pacific war area as well as other regions and special war topics, will be found in the report on publications, appendix 10.

Among outstanding publications of the year may be mentioned one by former Secretary C. G. Abbot on "Weather Predetermined by Solar Variation," in the Smithsonian Miscellaneous Collections; "Summary of the Collections of Amphibians Made in Mexico under the Walter Rathbone Bacon Traveling Scholarship," by Edward H. Taylor and Hobart M. Smith, and "Review of the Spider Monkeys," by Remington Kellogg and E. A. Goldman, in the Proceedings of the National Museum; and "Houses and House Use of the Sierra Tarascans," by Ralph L. Beals, Pedro Carrasco, and Thomas McCorkle, the first publication of the Institute of Social Anthropology.

A total of 56 publications were issued during the year, and 141,635 copies of publications in all series were distributed.

LIBRARY

Demands on the Smithsonian library by the Army and Navy declined as the war drew to a close. On the other hand, receipts of foreign publications began to increase toward the end of the year, and it became apparent that some European learned societies and museums had been able to continue publication throughout the war period. The rare books and manuscripts removed from the Institution early in the war to Washington and Lee University were safely returned during the year. Usually, the need for current scientific books makes it impossible for the library to purchase the older volumes needed for reference, but this year it was fortunate in being able to acquire a considerable number of these valuable old works, some of them dating back to the seventeenth and eighteenth centuries. As usual, the Institution received a large number of gifts of publications from individuals and organizations. The library's most urgent need is relief from the overcrowding of the shelves in all the Institution's buildings. The year's accessions totaled 4,844 items, bringing the library's holdings to 918,460. New exchanges were arranged to the number of 218, and 6,671 "wants" were received. Volumes and pamphlets cataloged numbered 6,512, and loans totaled 10,833. More than 2,500 volumes were sent to the bindery.

Respectfully submitted.

A. WETMORE, *Secretary*.

APPENDIX 1

REPORT ON THE UNITED STATES NATIONAL MUSEUM

SIR: I have the honor to submit the following report on the condition and operation of the United States National Museum for the fiscal year ended June 30, 1945.

Appropriations for the maintenance and operation of the National Museum for the year totaled \$938,994, which was \$8,995 more than for the previous year.

THE MUSEUM IN WARTIME

It was with considerable relief that we were able during the year to bring back to Washington the thousands of valuable type specimens and other irreplaceable objects that early in the war had been removed from the Capital for safekeeping in the event of enemy air raids on the city. Return of this material, which aggregated more than 60 tons, was completed in November 1944, and by the end of the year most of the specimens had been reinstalled.

As in previous years since 1941, all possible efforts of the staff were concentrated on projects related to the prosecution of the war, directly or indirectly, though naturally these lessened toward the close of the year, as the end of the war became imminent. Again this year several members of the staff were called upon for work in connection with the Department of State's program for cultural cooperation with the other American republics. This entailed travel and study in Mexico and Haiti, respectively, by two Museum anthropologists, and in Chile by the curator of insects. Strategic geological work was conducted in Mexico in cooperation with the Geological Survey; and biological investigations in Panamá were made for the War Department by two Museum staff members. Others undertook specific research projects directly connected with the war and its attendant disease, food, and other problems. Still others were granted furloughs for military service or for work with the Office of Strategic Services and other war agencies. Hundreds of specimens were identified for the Army and Navy, and special attention was given to material sent in by members of the armed services from remote corners of the earth where few or no collectors had previously been. All these activities add up to considerable when their far-flung results are actually evaluated, and the Museum staff may be justly proud of its part in the war effort, which now has ended so victoriously.

COLLECTIONS

The Museum collections were increased during the year by 232,822 specimens, which were included in 1,562 separate lots. The five departments registered specimens received as follows: Anthropology, 6,642; biology, 197,462; geology, 23,770; engineering and industries, 3,199; history, 1,749. Most of the accessions were acquired as gifts from individuals or as transfers of specimens by Government departments. The complete report on the Museum, published as a separate document, includes a detailed list of the year's accessions, but the more important are summarized below. Catalog entries in all departments now exceed 18,000,000.

Anthropology.—The largest lot of archeological material accessioned during the year consisted of 5,677 specimens excavated from Indian village sites in Scott and Lane Counties, Kans., in 1939 by Associate Curator Waldo R. Wedel. Other Kansas material included 343 archeological specimens from the collection of the late Dr. Norman L. Roberts, of Topeka. Specimens of interest from out of the country included 2 painted Neolithic jars from China and 10 Nasca and Early Chimú vessels from Perú. In the field of ethnology, the year's accessions came especially from the Northwest Pacific coast and Alaska, Micronesia, Polynesia, Solomon Islands, New Guinea, Burma, China, Ecuador (Jivaro Indians), and North America (several Indian tribes), many of them through the interest and efforts of men in the armed services. An important contribution to the Micronesian collection was a large model outrigger canoe (*baurua*) from Tarawa in the Gilbert Islands. Another interesting addition was a royal Hawaiian cape (*ahuwala*), fully feathered with black and yellow feathers of the *oo* bird and red feathers of the *iiwi*. An Arab costume presented to Gen. H. H. Arnold by the King of Saudi Arabia was lent to the Museum by General Arnold. The section of period art and textiles received through deposit from the Smithsonian Institution the valuable and well-known Arthur Michael collection of early American silver, representing the work of 121 silversmiths of the Colonial and Federal periods (1675–1850), among whom are John Coney and Paul Revere. This outstanding bequest was placed on exhibition in the lobby of the Natural History Building. Notable gifts to the division of physical anthropology included 22 skeletons from Amchitka Island, Aleutians, 35 embryological specimens, and the well-known skull of *Homo novusmundus* found near Folsom, N. Mex., in 1935.

Biology.—Important collections of mammals came from the Indo-Pacific region, including species heretofore unrepresented in the collections from Australia and the Philippines, and from Panamá.

A collection of nearly 600 birds came from Panamá, 500 from Ceylon, and about 100 from Admiralty Islands, the last being a region here-

tofore unrepresented in the Museum's collections. Other avian material received included 45 bird skins from Nissan Island, Solomons; 8 specimens of Venezuelan birds; the type of a new subspecies of black-bird, *Agelaius xanthomus monensis*, from Puerto Rico; and 62 bird skins from extreme eastern Brazil.

Noteworthy additions to the herpetological collections came from Panamá, Haiti, Trinidad, Sierra Leone, Virgin Islands, Ceylon, and New Guinea. Four accessions, comprising about 700 specimens of reptiles and amphibians from the Indo-Pacific region, were received from the Naval Medical School, Bethesda, Md.

A bramble shark received during the year represents, so far as known, the only specimen of this shark in any North American museum; it was washed ashore on the California coast. Exchanges brought many valuable fish specimens to the collections, including 12 paratypes of Venezuelan fishes. Fifty-eight Cuban fishes, including 43 paratypes, were received as a gift. The largest single ichthyological addition of the year comprised 1,180 specimens collected for the Museum from the Perlas Islands, Panamá.

Most important of the year's insect accessions was the large amount of mosquito material received from various units of the Army and Navy. Aside from this, the outstanding addition of the year was the Dayton Stoner collection of Scutelleroidea, accompanied by a considerable series of Coleoptera and other insects. In addition, about 3,000 insects of all orders were collected for the Museum from the Perlas Islands, Panamá, and 1,500 from Chile. The Department of Agriculture transferred 72,000 insects to the Museum.

Six of the year's accessions brought type material of marine invertebrates, representing new species of parasitic copepods, crayfish, a parasitic isopod, and a turbellarian worm. Besides, a large collection of marine invertebrates came from the Perlas Islands, Panamá.

In mollusks, the year's largest accession, 25,000 specimens, was collected for the Museum in the Perlas Islands, Panamá. Other noteworthy molluscan additions were 200 specimens of shipworms from the Canal Zone, about 300 Mexican land, fresh-water, and marine shells, 385 land shells from Panamá, more than 600 shells from the Pacific region from the Naval Medical School, and nearly 2,900 shells from various Pacific localities received from 13 members of the armed services. Helminths added during the year included paratype and cotype material of 10 new forms, 13 specimens from New Guinea, and 101 specimens from the Perlas Islands.

Among the echinoderms received was an example of the starfish *Linckia rosenbergi* from the South Pacific, not seen since originally described in 1866, and 85 other specimens from Biak Island, the first echinoderms ever received by the Museum from that part of the world.

Thirty-four corals were received from five servicemen in the Pacific region.

Botanical material came from many parts of the world and in varying lots and quantities. Perhaps the most important accession in this field was a set of 8,000 photographs of plant types in European herbaria (mostly in the Berlin Herbarium), purchased from the Chicago Natural History Museum. Other important accessions included two lots of plants from Colombia, totaling 3,720 specimens; about 1,400 plants transferred from the United States Department of Agriculture, of which 1,360 are from northern Brazil; 111 specimens and nearly 300 photographs of type material of *Crepis* and related genera; 622 specimens of Ecuadorian trees; several sizable lots of plants from Venezuela, Mexico, Martinique and Guadeloupe, Cuba, and Texas; and 172 specimens of ferns, mostly from Pacific islands. In addition, about 6,400 plant specimens of many kinds were received in exchange with other institutions, both North and South American. Diatom material was received from two remote places: 10 samples from various deposits at Oamaru, New Zealand, and 2 samples of planktonic species from near Attu Island in the Aleutians.

Geology.—Income from the Canfield and Roebling funds continued to supply rare and valuable gems and minerals for the collections. The finest specimen so far recovered of the new mineral brazilianite, from Arrasuahy, Brazil, was among the four accessions credited to the Canfield fund during the year. Through the Roebling fund 10 accessions of minerals and gems were recorded. Among the many gifts were 16 different-colored jade rings and a synthetic emerald of 90 points, and from the United States Customs Service came a series of 160 cut stones. The mineral collections also benefited by a number of very fine gifts, outstanding among which were the James Douglas collection of copper minerals from Bisbee, Ariz., and the T. Sterry Hunt mineral collection. Several meteorites were added, including the 1,164-pound Drum Mountain, Millard County, Utah, meteorite (through the Roebling fund) and an 81-pound mass of the Odessa meteorite. A suite of 22 nickel ores came from New Caledonia.

In the field of invertebrate paleontology and paleobotany seven times as many specimens were received as for the previous year, and several accessions were noteworthy. Transferred from the United States Geological Survey was the extensive Paleozoic collection made in the southern Appalachians by the geologist Dr. Charles Butts. This collection, numbering more than 10,000 specimens and representing the accumulation of many years of field work, is highly important for the information it contains bearing on the stratigraphy of the Appalachians. Another worthy transfer consisted of 3,500 Silurian, Devonian, and Cretaceous fossils from the Canol Project, Canada,

which came from the Chief of Engineers, United States Army. The Zimm collection of about 3,000 Devonian (Oriskany) fossils from Glenerie, N. Y., came to the Museum as a purchase through the Walcott fund. The collecting work of the curator, Dr. G. Arthur Cooper, brought in much important invertebrate material from the Appalachians and Mexico and will add a fair number of types to the collection. In addition, many gifts and exchanges of invertebrate fossils were received—too numerous to list here but representing many type specimens or examples otherwise of interest and value.

The outstanding exhibition specimen received in the field of vertebrate paleontology was a composite skeleton of the large flightless pigeon *Dodo ineptus* from Mauritius, transferred from the division of birds. Skeletal remains of this extinct creature are exceedingly rare. A collection of 350 fossil sharks' teeth and a nearly complete dental plate of the extinct ray *Myliobatis* (Miocene of the Chesapeake Bay region); a molar tooth of the northern elephant, *Mammonteus primigenius*; and an avian egg found 7½ feet below the surface of Tinian Island, Marianas, are accessions to the study series deserving special mention.

Engineering and industries.—The year's outstanding accession in this department was the first experimental jet-propelled pursuit airplane built and successfully flown in the United States. Designed and constructed by the Bell Aircraft Corp., it holds the unique position of being the first propellerless airplane in the Museum's collection, as well as representing perhaps the greatest development in aeronautical engineering in the past decade.

To the automotive collections came two unique gifts—a radial 9-cylinder Diesel engine, of the type designed for and used in the United States Army M3 light tank, and an original, beautifully preserved 1902 Oldsmobile. Two accessions of note to the department's radio communications collections were a Marconi coherer, a device which formed the "heart" of wireless telegraphy before the invention of the electron tube, and an early (1911) spark transmitter, designed for wireless communication between an airplane and the ground. Another interesting communications object added was an original electric telegraph fire-alarm and street box, such as was installed on the streets of Boston in 1851.

In textiles, an outstanding accession was a historic document comprising the original indenture of Samuel Slater, dated January 8, 1783, which he brought with him from England when at the age of 20 he decided to try his fortune in America. Wartime textiles and those inspired by the war were represented in many gifts. To the collections of early homecraft textiles there were added by gifts and loans a number of noteworthy specimens of weaving, needlework, and supplementary items.

A gift of historic importance to the section of chemical industries was a series of specimens of lewisite, American mustard gas, or "blister gas," and derivatives therefrom, all prepared for exhibition. Important additions to the wood collection were 20 samples from the Russell Islands group of the Solomons, 12 from Brazil, and 63 from the Philippines. In the division of medicine the outstanding accession was the entire equipment and furnishings of an Old World apothecary shop of the period of 1750. This large collection, consisting of nearly 1,200 specimens, was gathered in Europe over a period of 40 years and is unique in completeness of original materials and in its variety.

Chief among the accessions in graphic arts was the unique gift of Charles W. Dahlgreen of 76 copper plates of his original work in etching, aquatint, and drypoint. These plates, many of which are in almost unused condition, were deposited with the division with the understanding that they are to be used to make prints, to be sold as a "Smithsonian Edition," the proceeds to compose the Charles W. Dahlgreen fund, which will be used to enlarge and improve the collections of graphic arts. The section of photography, among other valuable gifts, received a collection of rare old lenses of French, English, German, and American manufacture, and also the first portable motion-picture projector designed, patented, and made in 1912 by Dr. H. A. DeVry, often referred to as "the father of visual education."

History.—Perhaps the most outstanding addition to the historical collections was the gift of a series of 48 bronze statuettes of notable contemporary American public men, made from life by the distinguished sculptor Max Kalish. The series is entitled "The Living Hall of Washington, 1944" and is on exhibition in the costumes hall in the Arts and Industries Building. Valuable additions to the costumes collections included two gowns worn by Mrs. Herbert Hoover in the White House, two inaugural gowns worn by Mrs. Franklin D. Roosevelt, and a cape worn by the Honorable Hamilton Fish in the early nineteenth century. There was placed on special exhibition in the Natural History Building a doll dressed in the costume of Brittany which was presented to Gen. Dwight D. Eisenhower by the children of Normandy in gratitude for their liberation from the Nazis. Accessions to the military collections included an office desk and chair used by General Eisenhower in the European war zone in 1944. The usual number of interesting numismatic items were received, including samples of recent mintages, and the philatelic collection was increased by 1,306 specimens during the year.

EXPLORATIONS AND FIELD WORK

The principal studies in the field, like those of last year, related directly or indirectly to the war and have been considerably reduced

below the usual level of times of peace. The results have been valuable and have covered a variety of subjects.

In continuation of the program for the promotion of cultural relations with scientists in the other American republics in cooperation with the Department of State, Dr. E. A. Chapin, curator of insects, traveled in Chile for work in connection with entomologists and entomological collections in that country. Upon his arrival in Santiago arrangements were made by the Chilean Government for him to visit forested areas, both natural and artificial, the agricultural extension stations, and the agricultural schools in southern Chile between Santiago and the Island of Chiloé. About 5 weeks were spent on this trip, and many important contacts were made. Although the season was unfavorable, some very interesting insects were observed and collected. The last 3 weeks of Dr. Chapin's 2-month sojourn were spent in Santiago, where considerable work was done on the Chilean national collection at the museum. Arrangements were also made to render assistance to the Department of Agriculture in Chile in their white-grub work; and exchanges were arranged with certain collectors in Santiago.

In connection with this same program of cultural cooperation with the American republics, Dr. T. Dale Stewart, curator of physical anthropology, went to Mexico on March 8, returning on June 23. The primary purpose of this trip was to give training in methods of osteometry to the graduate students of the Escuela Nacional de Antropología. Owing to the recent activities of the Instituto de Antropología e Historia, of which the Escuela and Museo Nacional are part, Mexico is now one of the leading anthropological centers in this hemisphere. The subject of physical anthropology is handled by such able workers as Dr. D. F. Rubín de la Borbolla, the acting director of the Escuela, Sr. Javier Romero, curator in the Museo, Dr. Juan Comas, and Srta. Ada d'Aloja. Under them a number of young students are developing who already have had extensive field experience. In addition, Dr. Stewart was able to study a collection of skeletal remains in the Museo Nacional de Antropología collected by Dr. Eduardo Noguera earlier in the year at Xochicalco. This collection, although small, is unusually well preserved, and contains interesting examples of tooth mutilation and cranial deformity. The teaching and research supplemented one another as the Xochicalco collection was used for demonstration purposes, particularly as regards restoration, sexing, aging, and pathological changes. Much interest in this field of research has developed as a result of this work.

A third project was concerned with work in Haiti for the Museum by Dr. Alfred Métraux, of the Institute of Social Anthropology, from September 18 to November 30. His investigations concerned anthro-

pology and were made in cooperation with the Bureau of Ethnology of Haiti and the Scientific Society of Haiti. For a month Dr. Métraux conducted cooperative archeological investigations on Tortue Island in the north, and for another month he was in Port-au-Prince engaged in lectures and anthropological investigations. During the entire period Dr. Métraux maintained close contact with the Scientific Society for which he organized seminars for the discussion of anthropology.

In continuation of the ornithological reconnaissance of northeastern Colombia M. A. Carriker, Jr., of Santa Marta, went into the field to complete examination of the valley separating the Sierra Nevada de Santa Marta from the Sierra Perijá. At the end of the fiscal year he had moved into the lower elevations of the Sierra Nevada where this range extends to the east toward the Guajira desert. Excellent results were reported in additional specimens for our rich collections from this area. This work is financed by the income of the W. L. Abbott fund.

A few local collections have been made by Dr. Leonard P. Schultz and Dr. Robert R. Miller, curator and associate curator of fishes, respectively, who secured fossils at Scientists Cliffs, on Chesapeake Bay, and fishes from various creeks in the State of Maryland. Several of the insect specialists have made extensive, largely local, collections within their own groups, some 3,000 specimens being added to the national collections through these efforts, a number being forms new to the collections, especially in the case of coleopterous larvae and the Aleyrodidae. Most of the aleyrodid material was obtained by Miss Louise Russell from preserved plant material at the National Herbarium and in the Herbarium of the New York Botanical Gardens.

Dr. G. Arthur Cooper, curator of invertebrate paleontology, in company with Dr. Byron N. Cooper, of the Virginia Geological Survey, carried on further investigations in the complicated geology and paleontology of the nearby Appalachian Valley, during two brief field trips. The first, in June 1944, covered parts of this area as far north as southern Pennsylvania and south to Staunton, Va., to study facies changes in the Ordovician limestone (Chambersburg formation) from its type area near Chambersburg, Pa., to a point in the vicinity of Staunton. About 2 weeks were spent in the study, which resulted in interesting information and good collections.

A second trip extended these studies through the Ordovician rocks of southern Virginia and Tennessee. On this trip the two men were accompanied by Dr. Raymond S. Edmundson, also of the Virginia Geological Survey. The party began work about the middle of October near Athens, Tenn., and visited type sections of Ordovician formations in Virginia and Tennessee to see if the Tennessee forma-

tions could be recognized in southern Virginia. The party worked from Athens north to Knoxville, then went to Clinton, Tenn., and worked from there to Cumberland Gap in northern Tennessee. From here they traveled for a short distance along the Cumberland Front and on to Natural Bridge, and then to Harrisonburg to tie the studies into the work of the early part of the summer. The work was completed in early November.

At the end of January 1944 Dr. Alexander Wetmore, with Dr. J. P. E. Morrison, assistant curator of mollusks, as assistant, went to Panamá to inaugurate some biological investigations for the War Department which continued into the fiscal year 1945. Dr. Wetmore returned late in March, leaving Dr. Morrison to continue the work until October. As one result the Museum now has extensive collections of birds, mollusks, and reptiles as well as valuable lots in other fields from some islands of the Archipelago de las Pérlas that have not been well known previously.

MISCELLANEOUS

Visitors.—An increase of 197,951 visitors to the Museum buildings was recorded over the previous year, the totals being 1,730,716 for 1945 and 1,532,765 for 1944. August 1944 was the month of largest attendance, with 183,394 visitors; July, the second largest, with 177,065. Records for the four buildings show the following numbers of visitors: Smithsonian Building, 342,762, Arts and Industries Building, 674,920; Natural History Building, 531,712; Aircraft Building, 181,322.

Publications.—Twenty Museum publications were issued during the year—1 Bulletin (pt. 3 of Checklist of the Coleopterous Insects of Mexico, Central America, the West Indies, and South America, by Dr. Richard E. Blackwelder), 1 Contribution from the National Herbarium, and 18 Proceedings papers. A complete list of these publications is given in the report on publications, appendix 10.

Special exhibits.—Twelve special exhibits were held during the year under the auspices of various educational, scientific, recreational, and governmental groups. In addition the department of engineering and industries arranged 24 special displays—12 in graphic arts and 12 in photography.

CHANGES IN ORGANIZATION AND STAFF

Changes during the year in the organization and staff included the advancement of John E. Graf from Associate Director, United States National Museum, to the position of Assistant Secretary of the Smithsonian Institution on April 1, 1945.

The department of anthropology lost, through retirement, Richard G. Paine, scientific aid in the division of archeology, on February 28,

1945, and to this vacancy Joseph R. Caldwell was appointed on April 9, 1945. Robert A. Elder, Jr., was appointed assistant curator in the division of ethnology on May 16, 1945.

On the staff of the department of biology, an honorary appointment was conferred on Maj. W. L. Jellison, A. S. F., U. S. A., as collaborator in the division of insects, on August 2, 1944. Other additions were the appointment of Dr. Raymond M. Gilmore, associate curator in the division of mammals, on September 2, 1944; Mrs. Marie P. Fish, scientific aid in the division of fishes, on December 4, 1944; William E. Hoffmann, associate curator in the division of insects, on August 18, 1944, and Mrs. Mildred S. Wilson, assistant curator (aquatic biology), in the division of marine invertebrates, on August 21, 1944. Three employees left the service; one, James O. Maloney, aid in the division of marine invertebrates, resigned effective April 15, 1945, and through retirement, John A. Mirguet, osteologist, on October 31, 1944, and Earl D. Reid, scientific aid, division of fishes, on February 28, 1945.

Through the retirement of Nicholas W. Dorsey, accountant and auditor, on May 31, 1945, after long service to the Museum, Thomas F. Clark was advanced to fill the vacancy on June 16, 1945. Mrs. Anna W. Murray was appointed assistant accountant and auditor on April 30, 1945, to fill the position made vacant by the transfer of Mrs. Florence L. Weirich to the Department of Agriculture on April 8, 1945.

Other changes in the administrative staff during the year were the resignations of Mrs. Margaret M. Pflieger, assistant purchasing officer, on February 28, 1945, and Mrs. Margaret L. Vinton, personnel assistant, on January 4, 1945. These vacancies were filled by the promotion of Armstead D. Hilliard and Gertrude R. R. Bogdan, respectively, on March 1, 1945.

On the staff of maintenance and operation, William Crossingham, mechanic (foreman of paint shop), retired on September 30, 1944, and on October 9, 1944, Axel J. Anderson succeeded him in charge of the paint shop.

The following, upon completion of military duty, returned during the year to their positions in the Museum: Reuben W. Gore, February 14, 1945; Robert E. Kirk, May 16, 1945; and John B. J. Peck, January 12, 1945. On February 26, 1945, Oliver N. Armstead was furloughed for military duty.

Through the operation of the retirement act, 11 employees were retired, as follows: For age—Mrs. Marie Arm, forewoman of charwomen, on August 31, 1944, with 32 years 3 months of service; Nicholas W. Dorsey, accountant and auditor, on May 31, 1945, with 50 years 3 months of service; Richard G. Paine, scientific aid, on February 28,

1945, with 44 years 4 months of service. For optional retirement—William Crossingham, mechanic (foreman of paint shop), on September 30, 1944, with 47 years of service; Harry Kaiser, mechanic (painter), on June 30, 1945, with 35 years 10 months of service; John A. Mirguet, osteologist, on October 31, 1944, with 35 years 4 months of service; Earl D. Reid, scientific aid, on February 23, 1945, with 34 years 8 months of service; Clarence T. Taylor, guard, on June 30, 1945, with 25 years 7 months of service; and Mrs. Eleanor C. White, scientific aid, on November 30, 1944, with 25 years 8 months of service. For disability—James W. Burns, guard, on May 31, 1945, with 9 years 11 months of service, and Winfield S. Dean, mechanic, on November 1, 1944, with 18 years 7 months of service.

Through death the Museum lost during the year Louis B. Hanks, guard, on June 21, 1945, and Carter C. Wood, laborer, on April 2, 1945.

Respectfully submitted.

ALEXANDER WETMORE, *Director.*

THE SECRETARY

Smithsonian Institution

APPENDIX 2

REPORT ON THE NATIONAL GALLERY OF ART

SIR: I have the honor to submit, on behalf of the Board of Trustees of the National Gallery of Art, the eighth annual report of the Board, covering its operations for the fiscal year ended June 30, 1945. This report is made pursuant to the provisions of the act of March 24, 1937 (50 Stat. 51), as amended by the public resolution of April 13, 1939 (Pub. Res. No. 9, 76th Cong.).

ORGANIZATION AND STAFF

During the fiscal year ended June 30, 1945, the Board consisted of the Chief Justice of the United States, the Secretary of State, the Secretary of the Treasury, and the Secretary of the Smithsonian Institution, ex officio; and five general trustees, David K. E. Bruce, Ferdinand Lammot Belin, Duncan Phillips, Samuel H. Kress, and Chester Dale.

At its annual meeting, held on February 12, 1945, the Board elected Samuel H. Kress as President, succeeding David K. E. Bruce who resigned, and re-elected Ferdinand Lammot Belin as Vice President, to serve for the ensuing year. The executive officers continuing in office during the year were:

Huntington Cairns, Secretary-Treasurer.

David E. Finley, Director.

Harry A. McBride, Administrator.

Huntington Cairns, General Counsel.

John Walker, Chief Curator.

Macgill James, Assistant Director.

Donald D. Shepard continued to serve during the year as Adviser to the Board.

During the year Margaret D. Garrett was appointed Acting Chief of the Inter-American Office, to succeed Porter A. McCray, who resigned.

The three standing committees of the Board, provided for in the bylaws, as constituted at the annual meeting of the Board, held February 12, 1945, were:

EXECUTIVE COMMITTEE

Chief Justice of the United States, Harlan F. Stone, Chairman.

Samuel H. Kress, Vice Chairman.

Ferdinand Lammot Belin.

Secretary of the Smithsonian Institution, Dr. Alexander Wetmore.

David K. E. Bruce.

FINANCE COMMITTEE

Secretary of the Treasury, Henry Morgenthau, Jr., Chairman.
 Samuel H. Kress, Vice Chairman.
 Ferdinand Lamot Belin.
 David K. E. Bruce.
 Chester Dale.

ACQUISITIONS COMMITTEE

Samuel H. Kress, Chairman.
 Ferdinand Lamot Belin, Vice Chairman.
 Duncan Phillips.
 Chester Dale.
 David E. Finley, ex officio.

The permanent Government positions on the Gallery staff are filled from the registers of the United States Civil Service Commission, or with its approval. On June 30, 1945, the permanent Government staff of the Gallery numbered 245 employees. Since the beginning of the war 61 members of the staff, or approximately 25 percent, have entered the armed services, and during the past year 5 of these employees have obtained their discharges and have returned to the Gallery.

The operating and maintenance staffs have been reduced to a minimum, owing to the fact that the Gallery has desired to curtail expenditures and the use of manpower to the greatest possible extent during the war period. Nevertheless, owing to the intensive effort, interest, and efficiency of the employees, it has been possible to maintain a high standard of operation and maintenance of the Gallery building and grounds and protection and care of Gallery collections.

APPROPRIATIONS

For salaries and expenses for the upkeep and operation of the National Gallery of Art, the protection and care of works of art acquired by the Board, and all administrative expenses incident thereto as authorized by the act of March 24, 1937 (50 Stat. 51), as amended by the public resolution of April 13, 1939 (Pub. Res. No. 9, 76th Cong.), the Congress appropriated for the fiscal year ended June 30, 1945, the sum of \$642,600. This amount includes the regular appropriation of \$634,000 and a supplemental deficiency appropriation of \$8,600 for increases in personal services and other Gallery expenses.

From these appropriations the following expenditures and encumbrances were incurred:

EXPENDITURES AND ENCUMBRANCES

Personal services-----	\$521, 211. 91
Printing and binding-----	1, 838. 17
Supplies and equipment, etc-----	119, 425. 88
Unencumbered balance-----	124. 04
Total-----	<hr/> 642, 600. 00

In addition to the above-mentioned appropriations, the Gallery received the sum of \$35,000 from the Department of State to cover expenses during the fiscal year of the Inter-American Office of the Gallery for the promotion of art activities between the United States and the Latin American republics.

ATTENDANCE

During the year 1945 the Gallery enjoyed the largest annual attendance since the building was opened to the public in 1941, the number of visitors being 2,078,739, as compared with 2,060,071 in the fiscal year 1944, or an increase of 18,668. This is an average daily attendance of 5,711 visitors, showing the continuing popularity of the Gallery. The greatest number of visitors on any one day was 25,023, on Sunday, September 10, 1944.

Men and women in the armed services are visiting the Gallery in increasing numbers, accounting for approximately 35 percent of the total attendance. For relaxation they make constant use of the Servicemen's Room, where writing and reading materials are furnished them.

The Sunday night openings, together with the Sunday evening concerts offered free of charge, continued throughout the year and contributed to the public's interest. Special exhibitions of contemporary art held during the year, especially art produced by members of the armed services, have been unusually well attended.

PUBLICATIONS

The most ambitious project of the Publications Fund of the Gallery since its organization was the publication of the book "Masterpieces of Painting from the National Gallery of Art" in October 1944. The book contains 85 color reproductions of paintings in the Gallery collections, each matched with an interpretive passage from the world's literature, and was edited by Huntington Cairns and John Walker, of the Gallery staff. The public demand for this book has been so great that a second edition is now being printed.

The Information Rooms of the Gallery continued the policy of furnishing moderately priced color reproductions of fine quality, and increased the variety of postcards, portfolios, and illustrated catalogs available to the public. A new edition of the General Information booklet, which is of great assistance to visitors and may be obtained without charge upon request at the Information Rooms, was issued during the year.

Publishers of large collotype reproductions of paintings from the Gallery collections have been gradually adding to their lists, and the 8 new reproductions completed during the year make a total of 23 large reproductions offered for sale in the Information Rooms.

CONSTRUCTION OF NEW GALLERIES

In keeping with recommendations of the committee on the building and a resolution of the Board of Trustees, it was decided to proceed with the finishing of six new galleries, in order to make available additional exhibition space now required.

Accordingly, a contract was entered into for the completion, with funds donated for the purpose, of galleries numbered 24, 25, and 26 in the west end of the building, in which will be exhibited recent acquisitions of paintings and sculpture of Italian schools, and galleries numbered 53, 54, and 55, in the east end of the building, for exhibiting paintings of French and British schools. These galleries will be furnished in a manner similar to adjacent gallery rooms, and it is contemplated that the work will be completed in the autumn of 1945.

RETURN OF WORKS OF ART FROM PROTECTIVE STORAGE IN BILTMORE, N. C.

It was decided by the Board of Trustees that the works of art in protective storage at Biltmore, N. C., during the period of danger of air raids, should be returned to the National Gallery of Art, and this return was effected on October 17-18, 1944.

The works of art were brought back to Washington by motor van, under police protection, through the States of North Carolina and Virginia, and the District of Columbia, and the trip was accomplished without damage to any of the works of art. The storage rooms at Biltmore House were closed, and the sum of \$10,199.85, which was the unexpended balance in the working fund furnished to the National Gallery of Art for maintenance of the evacuation center, was returned to the Public Buildings Administration.

In this same connection, it may be noted that the air raid protective measures in effect in the Gallery building have been discontinued.

ACQUISITIONS

GIFTS OF PAINTINGS AND SCULPTURE

During the year the Board of Trustees received from Samuel H. Kress and the Samuel H. Kress Foundation 80 important Italian, French, and Dutch paintings and 26 pieces of sculpture, to be added to the other gifts of paintings and sculpture now in the Gallery.

On September 25, 1944, the Board of Trustees accepted the portrait of "Chief Justice Harlan F. Stone" by Augustus Vincent Tack from Duncan Phillips, to be placed in the Board Room. On the same date the Board of Trustees accepted the portrait of "Joseph Dugan" by Thomas Sully from Herbert L. Pratt. The Board of Trustees, on November 17, 1944, accepted the painting "Both Members of This Club" by George Bellows from Chester Dale, and on January 2, 1945, the Board accepted two portraits, "Mrs. Chester Dale" and "Chester

Dale," by George Bellows, from Chester Dale, the latter to be installed in the Founder's Room. A copy of a painting entitled "Madonna and Child with the Magdalen and Saint Jerome" by Matthew Pratt, after Correggio, was accepted on February 12, 1945, by the Board from Clarence Van Dyke Tiers for the study collection, and on May 21, 1945, the Board accepted from Mrs. Huttleston Rogers the painting "The Lackawanna Valley" by George Inness.

GIFTS OF PRINTS AND DRAWINGS

The Board of Trustees on September 25, 1944, November 14, 1944, November 18, 1944, May 2, 1945, and June 22, 1945, accepted as gifts a total of 1,740 prints and drawings from Lessing J. Rosenwald, to be added to his former gifts of prints and drawings. Also on September 25, 1944, the Board accepted the original drawing "Shadows" by Kerr Eby from Kerr Eby, and the drawing "Prairie Titlark" by John James Audubon from Miss Martha Hogan. On November 16, 1944, the Board accepted nine sheets of drawings by George Cruikshank from Dr. Clements C. Fry, two drawings, "Seated Figure" and "Standing Figure" by Lancret, and "Sheet of Sketches" by Lancret, from Myron A. Hofer, a mezzotint of Reynold's "Lady Betty Compton" by Valentine Green from David Keppel, and two drawings, "Seth Hastings" and "James Campbell," by Saint Memin, from Herbert L. Pratt, Jr. On May 14, 1945, the Board accepted an engraving by E. Mandel after Raphael's "The Small Cowper Madonna" from David E. Finley and an engraving of Raphael's "The Alba Madonna" by B. Desnoyers from David Keppel. On June 22, 1945, the Board accepted two drawings, "Danseuse vu de Dos et Trois Etudes de Pieds" by Degas and "Deux Avocats" by Daumier, and one print "Le Stryge" by Meryon from Myron A. Hofer.

SALE OR EXCHANGE OF WORKS OF ART

The Board of Trustees accepted the offer of Samuel H. Kress and the Samuel H. Kress Foundation to exchange the sculpture "Madonna and Child" by Andrea Sansovino for the painting entitled "A Pagan Rite" by Giovanni Bellini; and the sculpture "Profile of a Woman" by Pierino da Vinci for the painting "Portrait of a Man" by Nicolas de Largilliere. The Board of Trustees also accepted the offer of Lessing J. Rosenwald to exchange an engraving by Schongauer entitled "The Eagle of Saint John, the Evangelist," and an etching by Hirschvogel entitled "Landscape with Buildings," for a similar engraving and a similar etching, now included in the Rosenwald collection at the National Gallery of Art, and bearing the same titles and by the same artists.

LOAN OF WORKS OF ART TO THE GALLERY

During the year the following works of art were received on loan:

<i>Particulars</i>	<i>Artist</i>
From Chester Dale, New York, N. Y.:	
Le Chevalier Louis Euseba de Montour-----	Carle Van Loo.
The Sicard David Children-----	Thomas Sully.
From Mrs. Jean de Bekessy, Washington, D. C.:	
The Duchess of Parma and Her Daughter	
Isabel-----	Jean Marc Nattier.
From Myron A. Hofer, Washington, D. C.:	
Nine prints and drawings-----	(Gainsborough. Guys. Reynolds. Whistler.
From David Keppel, Washington, D. C.:	
Sketch of Anne-----	George Bellows.
The Dream-----	Robert Nantueil.
From Robert Rosenwald, Jenkintown, Pa.:	
Aristide Bruant-----	Toulouse-Lautrec.
Anne-----	George Bellows.
Lion d'Atlas-----	Eugene Delacroix.
From Arnold Knauth, New York, N. Y.:	
Colonel Epes Sargent-----	John Singleton Copley.
From Stanley J. Mortimer, Jr., New York, N. Y.:	
Portrait bust of a member of the Order of	
San Iago-----	After the manner of Leone Leoni.
Portrait bust of a man-----	Attributed to Tullio Lom- bardi.
Madonna and Child-----	Attributed to Ghiberti.
From Duncan Phillips, Washington, D. C.:	
Macbeth and the Witches-----	A. P. Rider.
From Lieutenant Frederick R. Pratt, Washing- ton, D. C.:	
George Washington-----	Gilbert Stuart.
Battle between the <i>United States</i> and the <i>Macedonia</i> -----	Thomas Birch.
Battle between the <i>Wasp</i> and the <i>Frolic</i> -----	Thomas Birch.
From Lessing J. Rosenwald, Jenkintown, Pa.:	
Ecce Homo III (Christ Presented to the People)-----	Rembrandt.
Ecce Homo VII (Christ Presented to the People)-----	Rembrandt.
From museums and private collectors in Europe:	
154 paintings of the French school of the late eighteenth and nineteenth centuries and 101 French drawings.	

LOAN OF WORKS OF ART BY THE GALLERY

During the fiscal year 1945, the Gallery loaned the following works of art for exhibition purposes:

<i>Particulars</i>	<i>Artist</i>
To the Art Institute of Chicago, Chicago, Ill.:	
Mrs. Richard Yates-----	Gilbert Stuart.
To the Virginia Museum of Fine Arts, Richmond, Va.:	
Nineteen paintings-----	Gilbert Stuart.
To the Century Association, New York, N. Y.:	
Chief Justice Charles Evans Hughes-----	Augustus Vincent Tack.
Chief Justice Harlan F. Stone-----	Augustus Vincent Tack.
To the Museum of Art, Providence, R. I.:	
Mrs. Richard Yates-----	Gilbert Stuart.
To the White House, Washington, D. C.:	
George Washington-----	Rembrandt Peale.
Allies Day, May 1917-----	Childe Hassam.
To the United States Department of State—Blair Lee House, Washington, D. C.:	
Daniel Webster-----	P. A. Healy.
Seven prints from the Rosenwald collection.	

LOANED WORKS OF ART RETURNED

During the year the print "Saint Jerome beside a Pollard Willow" by Rembrandt, lent to the Gallery by W. G. Russell Allen, was returned to him.

EXHIBITIONS

The following exhibitions were held at the National Gallery of Art during the fiscal year ended June 30, 1945:

American Battle Art paintings—Revolutionary War to World War I, from museums and private collections, from July 4 to September 4, 1944.

American portraits from the Gallery's collection, from September 5 to November 13, 1944.

Paintings of Naval Medicine from the Abbott Laboratories and the United States Government, from September 10 to October 18, 1944.

Paintings and drawings of the United States Coast Guard by United States Coast Guard combat artists, from September 17 to October 18, 1944.

War-time paintings of flyers, planes, and world-wide combat operations of the Army Air Forces, by Army Air Forces artists, from October 15 to November 10, 1944.

Nineteenth-century etchings and drawings by Legros from the collection of George Matthew Adams, from October 15 to November 12, 1944.

Eighteenth-century prints and drawings from the Widener collection, the Dr. A. W. S. Rosenbach collection, and the Mrs. Irwin Laughlin collection, from November 19, 1944, to January 14, 1945.

French drawings from the French Government, the Myron A. Hofer collection, and the Harris Whittemore collection, from November 19, 1944, to May 8, 1945.

Italian eighteenth-century prints from the Gallery's collection, from February 28 to May 21, 1945.

Religious prints and drawings from the Gallery's collection, from May 9 to June 19, 1945.

Prints and drawings from the Gallery's collection and the Myron A. Hofer collection, from May 9 to June 19, 1945.

Paintings of The War against Japan by American artists in the Pacific areas, from the Treasury Department, with the cooperation of the Army, Navy, and Marine Corps, and Life Magazine, from May 27 to June 19, 1945.

TRAVELING EXHIBITIONS

During the fiscal year ended June 30, 1945, the following drawings, water colors, and prints were placed on exhibition:

Index of American Design.—When the Index of American Design was transferred from the Metropolitan Museum of Art, New York, N. Y., where it has been on loan, it contained 16 special traveling exhibitions which had been arranged by that institution. The National Gallery of Art has subsequently added four traveling exhibitions to this number. Exhibitions from the collection have been shown at the following places during the fiscal year just ended: Worcester Art Museum; Metropolitan Museum of Art; Ohio State Museum; John Herron Art Institute; Rhode Island State College; Children's Museum, Washington, D. C.; Little Gallery, North Canton, Ohio; Kanawha County Public Library; Baltimore Museum of Art; University of New Hampshire; Pasadena Art Institute; and Union Gallery, University of Wisconsin.

Rosenwald prints.—Special exhibitions of prints from the Rosenwald collection were prepared and circulated during the past fiscal year. These exhibitions were held at Cheltenham Art Center, Elkins Park, Pa.; the Print Club, Philadelphia; Philadelphia Museum of Art; John Herron Art Institute, Indianapolis, Ind.; Philadelphia Art Alliance; Wesleyan University, Middletown, Conn.

CUSTODIANSHIP OF FRENCH EXHIBITION MATERIAL

The Board of Trustees, on February 1, 1945, relinquished its custodianship of, and transferred to the Provisional Government of the French Republic in the United States, all works of art and exhibition material sent to the United States under the auspices of the former French Government for exhibition purposes at various places in the United States, including the World's Fairs in New York, N. Y., and San Francisco, Calif.

VARIOUS GALLERY ACTIVITIES

During the period from July 1, 1944, to June 30, 1945, a total of 51 Sunday evening concerts were given in the East Garden Court of the Gallery. The concerts were free to the public and were attended by capacity audiences. The National Gallery Sinfonietta, under the direction of Richard Bales, played 11 concerts, with well-known guest artists appearing occasionally. The Gallery's second American Music Festival of works of American composers was held on four Sunday evenings in March 1945.

The Sunday night suppers for servicemen continued during the year and were enjoyed by approximately 1,700 service men and women. Funds to defray the cost of the suppers were contributed by members of the Gallery staff and by friends of the Gallery.

The film "National Gallery of Art" was made available during the year to 17 individuals and institutions.

The Inter-American Office has continued during the year to carry out the Latin-American art program of the Department of State through the exchange of exhibitions, the distribution of art materials and publications, and the assembling of information on Inter-American art activities. Major exhibitions were organized and sent to seven countries in Latin America.

With the cooperation of the Library of Congress, the Inter-American Office edited the directory to Latin-American art activities originally prepared by the Archive of Hispanic Culture, for publication in the forthcoming issue of the American Art Manual for the years 1942-45. The Inter-American Office has also compiled a list of circulating exhibitions of Latin American art in the United States, which will be available for distribution in the early autumn of 1945.

A total of 188 special permits to copy paintings in the National Gallery of Art were issued during the fiscal year 1945, and during the same period 75 special permits were issued to photograph paintings.

CURATORIAL DEPARTMENT

The curatorial work during the fiscal year consisted of installing new gifts, particularly the additional items of the Samuel H. Kress collection, and reinstallation of the evacuated works of art returned from Biltmore, N. C.; work on the new Gallery catalog and the photographic record of the Gallery collections; assisting the American Commission for the Protection and Salvage of Artistic and Historic Monuments in War Areas by providing information on damaged and looted works of art in war areas; assisting in the publication of the book "Masterpieces of Painting from the National Gallery of Art," edited by Huntington Cairns and John Walker; collaborating in the publication of the book "Drawings for Ariosto by Fragonard"; completion of a "Handbook of the Widener Collection of Decorative Arts"; completion of one catalog and three pamphlets in the series dealing with important works in the collection; and the cataloging of the Richter Photographic Archives and the Strauss collection of photographs. Seven members of the staff contributed 14 articles to periodicals, and three members of the staff lectured 13 times on six subjects.

During the year approximately 1,903 works of art were submitted to the Acquisitions Committee (including 1,740 prints from the Rosenwald collection) with recommendation regarding their acceptability

for the collection of the Gallery; 46 private collections were reviewed in connection with offers to the Gallery of gifts or loans; 128 consultations were held concerning more than 250 works of art brought to the Gallery for expert opinion, 116 written and 107 verbal replies involving research in the history of art were made to inquiries, and 8 visits were made outside the Gallery to view works of art for expert opinion.

RESTORATION AND REPAIR OF WORKS OF ART

With the authorization of the Board and the approval of the Director and Chief Curator, the necessary restoration and repair of works of art in the Gallery's collection were made by Stephen S. Pichetto, Consultant Restorer to the Gallery. All work was completed in the Restorer's studio in the Gallery with the exception of several works of art requiring attention before they could with safety be shipped to Washington, D. C., and two paintings on which the work was of such a delicate and complicated nature that it had to be done in Mr. Pichetto's New York studio.

EDUCATIONAL PROGRAM

The various programs conducted by the educational department continued to be popular. The Gallery tours of the collection attracted more than 15,000 people, and nearly 27,000 attended the two 10-minute lectures given daily on the "Picture of the Week." This latter attendance is an increase of 5,000 over the fiscal year 1944. Illustrated lectures on 57 special topics were given in the auditorium by members of the educational and curatorial departments and by guest speakers.

LIBRARY

A total of 1,035 books and 299 pamphlets and periodicals were presented to the Gallery; 9 books were purchased by the Gallery; 3,020 photographs and 45 slides were presented as gifts; 22 books, 68 pamphlets, and 357 bulletins were acquired through exchange, and 20 subscriptions to periodicals were made.

PHOTOGRAPHIC DEPARTMENT

During the year the photographic laboratory of the Gallery made 9,498 prints, 632 black and white slides, and 1,625 color slides.

OTHER GIFTS

During the year gifts of books of art and related material were made to the Gallery library by Maj. Paul Mellon, Mrs. Jesse Isidor Straus, Col. and Mrs. John Nicholas Brown, Capt. Cyrus R. Miller, the National Gallery of Canada, the Carnegie Institute, David E.

Finley, Ferdinand Lammot Belin, Samuel H. Kress, and A. G. Gallo-way. Gifts of money during the fiscal year 1945 were made by Richard Bales, Mrs. Florence Becker, Mrs. Dexter Brown, Mrs. Elizabeth Coolidge, Mrs. David E. Finley, Sr., David E. Finley, Macgill James, The A. W. Mellon Educational and Charitable Trust, Mrs. Lee Warren, and Mrs. Gertrude Clark Whittall.

AUDIT OF PRIVATE FUNDS OF THE GALLERY

An audit is being made of the private funds of the Gallery for the fiscal year ended June 30, 1945, by Price, Waterhouse & Co., public accountants, and the certificate of that company on its examination of the accounting records maintained for such funds will be submitted to the Gallery.

Respectfully submitted.

F. L. BELIN, *Acting President.*

Dr. ALEXANDER WETMORE,

Secretary, Smithsonian Institution.

APPENDIX 3

REPORT ON THE NATIONAL COLLECTION OF FINE ARTS

SIR: I have the honor to submit the following report on the activities of the National Collection of Fine Arts for the fiscal year ended June 30, 1945:

APPROPRIATIONS

For the administration of the National Collection of Fine Arts by the Smithsonian Institution, including compensation of necessary employees, purchase of books of reference and periodicals, traveling expenses, and other necessary incidental expenses, \$17,900 was allotted, of which \$5,998.45 was expended in connection with the care and maintenance of the Freer Gallery of Art, a unit of the National Collection of Fine Arts. The balance was spent for the care and upkeep of the National Collection of Fine Arts, nearly all of this sum being required for the payment of salaries, traveling expenses, purchase of books and periodicals, and necessary disbursements for the care of the collection.

THE SMITHSONIAN ART COMMISSION

The twenty-second annual meeting of the Smithsonian Art Commission was held on December 5, 1944. The annual meetings scheduled for the two preceding years were canceled owing to crowded transportation and hotel facilities.

The members met at 10:30 a. m. in the Natural History Building, where, as the advisory committee on the acceptance of works of art that had been submitted since the last meeting in 1941, the following action was taken:

ACCEPTED FOR THE NATIONAL COLLECTION OF FINE ARTS

Oil painting, "Roses," by John F. Weir, N. A. (1841-1926). Gift of Miss A. M. Hegeman.

Oil painting, "Mist in Kanab Canyon, Utah," by Thomas Moran, 1892. Bequest of Mrs. Bessie B. Croffut.

Four oil paintings: "Water Carriers," by Frank Duveneck; "Portrait Group of Mrs. Hawkins and Family," by Sir William Beechey; "Rome and the Campagna," by Richard Wilson; and "Lady and Two Children," by George Frederick Watts. Bequest of Rev. F. Ward Denys.

Oil painting, "Clearing after September Gale—Maine Coast," by Howard Russell Butler, N. A. (1856-1934). Henry Ward Ranger bequest.

Oil painting, "Return from the Farm," by Elliott Daingerfield, N. A. (1859-1932). Henry Ward Ranger bequest.

Oil painting, "Self Portrait," by Will H. Low, N. A. (1853-1932). Henry Ward Ranger bequest.

Oil painting, "New Year's Shooter," by George Luks (1867-1933). Henry Ward Ranger bequest.

Oil painting, "The Sermon," by Gari Melchers, N. A. (1860-1932). Henry Ward Ranger bequest.

Miniature, water color on ivory, "Unknown Lady," by David Boudon. Gift of Bernard H. Cone.

Miniature, water color on ivory, "Robert Oliphant," by Raphael Peale. Bequest of Mrs. Bertha E. Jaques.

Miniature, water color on ivory, "Elizabeth Oliphant" (sister of Robert), by James Peale. Bequest of Mrs. Bertha E. Jaques.

Miniature, water color on ivory, "Samuel Love, Jr., of Salisbury Plantation, Virginia," by Robert Field. Bequest of Admiral Richard Graham Davenport.

ACCEPTED FOR THE SMITHSONIAN INSTITUTION

Pastel, "Portrait of Mrs. Frank B. Noyes," by Juliet Thompson. Gift of Frank B. Noyes.

Oil painting, "Portrait of Gen. George B. McClellan," as a small child, by an unknown artist. Gift of Mrs. George B. McClellan.

Opaque water color, "A Bodhisattva, Cave 4, Bagh," by Sarkis Katchadourian. Gift of Neshan G. Shamigian.

Original plaster statue, "Alexander Agassiz," by Paul W. Bartlett. Gift of Mrs. Paul W. Bartlett.

Bronze, "Head of Christ," by Filomeno Melgarejo. Gift of Vice President Henry A. Wallace.

Two Italian cabinets. Gift of Mrs. Frank B. Noyes.

Two blue vases. Bequest of Miss Ida Howgate.

Japanese lacquer serving dish, Tokugawa period. Gift of Dr. Edwin Kirk.

Large Celadon vase and a pair of Ming vases. Gift of Milo Elson Emmerson.

ACCEPTED FOR THE NATIONAL PORTRAIT GALLERY

Oil painting, "Thomas A. Edison Listening to His First Perfected Phonograph," by Col. A. A. Anderson. Gift of Dr. Eleanor A. Campbell.

Oil painting, "Portrait of Dr. Charles Greeley Abbot," by Nicholas R. Brewer. Gift of the artist.

The members then proceeded to the offices of Dr. Wetmore, Acting Secretary of the Institution, for the further proceedings, and the meeting was called to order by the vice chairman, Prof. Frank Jewett Mather, Jr., as acting chairman.

The members present were: Prof. Frank Jewett Mather, Jr., vice chairman; Dr. Alexander Wetmore (ex officio); and Gifford Beal, David E. Finley, Paul Manship, Edward W. Redfield, and Mahonri M. Young. Ruel P. Tolman, curator of the division of graphic arts in the United States National Museum and acting director of the National Collection of Fine Arts, also attended.

The following resolutions on the deaths of Messrs. Lodge, Borie, and Keppel were submitted and adopted:

Whereas, the Smithsonian Art Commission has learned of the death on December 29, 1942, of Mr. John E. Lodge, a member of the Commission since 1921, and Chairman of the Executive Committee since 1941; therefore be it

Resolved, That the Commission desires here to record its sincere sorrow at the loss of Mr. Lodge. His wide experience and exceptional knowledge of the art of the Far East, his keen judgment of the quality of works of art, and his helpful interest in the affairs of the Commission will be sadly missed.

Resolved, That these resolutions be spread upon the records of the Commission, and that the Secretary be requested to inform the family of Mr. Lodge of this action.

Whereas, the Smithsonian Art Commission has learned of the death on May 11, 1943, of Mr. Charles L. Borie, Jr., a member of the Commission since 1926, and its Chairman since 1935; therefore be it

Resolved, That the Commission desires here to record its sincere sorrow at the passing of Mr. Borie, an eminent architect, whose productions are an enduring monument to his genius. He was ever ready with helpful advice in formulating the policies of the Smithsonian Art Commission and the National Collection of Fine Arts. His influence in the general promotion of the art interests of this country will be greatly missed.

Resolved, That these resolutions be spread upon the records of the Commission, and that the Secretary be requested to inform the family of Mr. Borie of this action.

Whereas, the Smithsonian Art Commission has learned of the death on September 8, 1943, of Dr. Frederick P. Keppel, a member of the Commission since 1932; therefore be it

Resolved, That the Commission records its sincere sorrow at the passing of Dr. Keppel, who, as the head of the Carnegie Foundation of New York, has exercised a profound influence in the promotion of art in the United States, and whose broad outlook and keen judgment have been of great value to the Smithsonian Art Commission. His wisdom and his genial personality will long be missed.

Resolved, That these resolutions be spread upon the records of the Commission, and that the Secretary be requested to inform the family of Dr. Keppel of this action.

The Commission recommended to the Board of Regents the name of Archibald G. Wenley to succeed Mr. Lodge, Robert Woods Bliss to succeed Dr. Keppel, and George Hewitt Myers to succeed Mr. Borie.

The following officers were elected for the ensuing year: Paul Manship, chairman; Frank Jewett Mather, Jr., vice chairman; and Dr. Alexander Wetmore, secretary.

The Commission recommended to the Board of Regents the reelection, for the usual 4-year period, of the following members whose terms expired on the dates stated: (1942) Herbert Adams, Gifford Beal, Gilmore D. Clarke; (1943) Louis Ayres, James E. Fraser, George Harold Edgell, Frank Jewett Mather, Jr.; (1944) David E. Finley, Edward W. Redfield, Paul Manship.

The following were elected members of the executive committee for the ensuing year: David E. Finley (chairman), Herbert Adams, and Gilmore D. Clarke. Paul Manship, as chairman of the Commission,

and Dr. Alexander Wetmore, as secretary of the Commission, are ex officio members of the executive committee.

THE CATHERINE WALDEN MYER FUND

Seven miniatures, water color on ivory, were acquired from the fund established through the bequest of the late Catherine Walden Myer, as follows:

46. "Mr. Bennett of Revere Street, Boston, Mass.," by Henry Williams (1787-1830); from Sherman Riley, New Haven, Conn.

47. "William Mather Smith," by Archibald Robertson (1765-1835); from Mrs. Dora Lee Curtis, Arlington, Va.

48. "Mrs. William Mather Smith (nee Helen Livingston)," by an unknown artist; from Mrs. Dora Lee Curtis, Arlington, Va.

49. "Unknown Lady," by Alfred T. Agate (1812-1846); from Miss Elizabeth A. DuHamel, Washington, D. C.

50. "Mrs. Thomas Wilson," by Walter Robertson (before 1765-1802); from Mrs. Dora Lee Curtis, Arlington, Va.

51. "John Church Hamilton," (?) by Alfred T. Agate (1812-1846); from Miss Elizabeth A. DuHamel, Washington, D. C.

52. "Dr. John Binsse," (?) Louis Binsse de St. Victor (?); from Harry Lorin Binsse, New York City.

DEPOSITS

Two plaster life masks, "Capt. Charles Francis Hall (1821-1871)," by Clark Mills (1810-1883), and "Joseph Francis (1801-1893)," by Theodore A. Mills (1839-1916), were deposited by the United States National Museum (division of ethnology).

LOANS ACCEPTED

A silver tankard was lent by Ensign Edward Shippen, U. S. N. R., through his father, Dr. L. P. Shippen, on December 13, 1944.

An oil painting, "The Nativity," by an unknown artist, was lent by St. Paul's Church, Washington, D. C.

LOANS TO OTHER MUSEUMS AND ORGANIZATIONS

An oil painting, "Portrait of George Washington Carver," by Betsy Graves Reyneau, was lent to the Harmon Foundation, Inc., on September 21, 1944, to be included in an exhibit of portraits of leading Negro citizens shown at the Detroit Institute of Arts from October 10 through October 22, and to continue on tour in different parts of the country.

An oil painting, "Thomas A. Edison Listening to His First Perfected Phonograph," by Col. A. A. Anderson, was lent to the Mint Museum of Art, Charlotte, N. C., on September 25, 1944. (Returned November 10, 1944.)

A framed oil sketch, "Westward the Course of Empire Takes Its Way," by Emanuel Leutze, was lent to the Detroit Institute of Arts to be included in their exhibition, "The World of the Romantic Artist," December 29, 1944, to January 28, 1945. (Returned February 6, 1945.)

A plaster bust of George Washington, by Houdon, was lent to the Field Photographic Branch, Office of Strategic Services, Department of Agriculture, for photographic purposes, on January 2, 1945. (Returned January 2, 1945.)

Three water colors by Walter Paris, entitled "In Monument Park, Colorado," "Landscape," and "Florida Village," and one photograph of the artist, were lent to the Lyman Allyn Museum, New London, Conn., to be included in its thirteenth anniversary exhibition, "Men of the Tile Club," March 11 through April 23, 1945. (Returned April 28, 1945.)

Five oil paintings, "Lower Ausable Pond," by Homer D. Martin; "La Vachere," by Theodore Robinson; "Moonlight," by Albert P. Ryder; "September Afternoon," by George Inness; and "At Nature's Mirror," by Ralph A. Blakelock, were lent to Howard University, Washington, D. C., to be included in the Festival of Fine Arts, May 3 through June 14, 1945. (Returned June 15, 1945.)

Two oil paintings, "Fired On," by Frederic Remington, and "Indian Summer Day," by Max Weyl, were lent to The White House June 7, 1945, the former to be hung in the Executive Office, the latter in President Truman's study, second floor.

An oil painting, "Portrait of Andrew Jackson," by R. E. W. Earle, was lent to The Baltimore Museum of Art, Baltimore, Md., June 11, 1945, to be included in their Andrew Jackson Exhibition, June 15 to July 15, 1945.

WITHDRAWALS BY OWNERS

Three original bronzes, by Antoine Louis Barye, entitled "Panther Surprising Civet Cat," "Stork on Tortoise," and "Seated Hare," lent by Leonard C. Gunnell, September 25, 1934, were withdrawn by Mrs. Gunnell on October 10, 1944.

THE NATIONAL COLLECTION OF FINE ARTS REFERENCE LIBRARY

A total of 407 publications (255 volumes and 152 pamphlets) were accessioned during the year. Of this number, 122 volumes and 46 pamphlets were added by purchase, and 54 volumes of periodicals were bound. The other accessions were publications received by exchange, gift, or transfer. The Parke-Bernet auction catalogs (priced) accounted for 35 volumes and 42 pamphlets among the purchases.

SPECIAL EXHIBITIONS

The following exhibitions were held:

July through August, 1944.—A selection of 57 oil paintings and 1 bronze, from the William T. Evans collection of American paintings.

October 5 through 29, 1944.—Exhibition of 96 portraits, by Enit Kaufman, called "The American Century."

November 3 through 26, 1944.—The Seventh Metropolitan State Art Contest, held under the auspices of the D. C. Chapter, American Artists' Professional League, assisted by the Entre Nous Club. There were 215 exhibits, consisting of paintings, sculpture, prints, and metalcraft, by 121 artists.

December 14, 1944, through January 14, 1945.—Exhibition of 78 miniatures by 45 artists, by the Pennsylvania Society of Miniature Painters. Reprint of catalog was published by the National Collection of Fine Arts.

January 4 through 28, 1945.—Exhibition of 135 water colors of Latin America, by Carl Folke Sahlin, Art Director of the Pan American League of Miami, was sponsored by the Pan American Union. A catalog was published by the Pan American Union.

February 2 through 25, 1945.—Exhibition of 66 paintings by modern Cuban painters, was sponsored by the Cuban Ambassador and the Pan American Union. A catalog was published by the Pan American Union.

March 4 through April 1, 1945.—Exhibition of 89 paintings and 6 pieces of sculpture by members of the Society of Washington Artists. A catalog was published by the Society.

April 10 through 30, 1945.—Exhibition of the 82 drawings presented to the United States by the French Republic in 1915.

PUBLICATIONS

TOLMAN, R. P. Report on the National Collection of Fine Arts for the year ended June 30, 1944. Appendix 3, Report of the Secretary of the Smithsonian Institution for the year ended June 30, 1944, pp. 39-43.

WENLEY, A. G. Report on the Freer Gallery of Art for the year ended June 30, 1944. Appendix 4, Report of the Secretary of the Smithsonian Institution for the year ended June 30, 1944, pp. 44-50.

Respectfully submitted.

R. P. TOLMAN, *Acting Director.*

Dr. A. WETMORE,
Secretary, Smithsonian Institution.

APPENDIX 4

REPORT ON THE FREER GALLERY OF ART

SIR: I have the honor to submit the twenty-fifth annual report on the Freer Gallery of Art for the year ended June 30, 1945:

THE COLLECTIONS

Additions to the collections by purchase are as follows:

BOOKBINDING

- 45.15. Egypto-Arabic, 14th century. Two covers with a flap. Brown leather with blind and gold tooling, on pasteboard. 0.371×0.275 (single cover).

BRONZE

- 44.57. Chinese, Chou dynasty, 4th-3d century B. C. Hook, with hinged handle. Decoration in relief and incised to receive inlay, traces of which remain. Olive-green patina. 0.223×0.098 over all.
- 45.30. Chinese, Sui dynasty, dated in correspondence with A. D. 609. Buddhist ex-voto: The Buddhas Gautama and Prabūtaratna. Surface gilded; areas of green patina and earthy incrustations. Dedicatory inscription, dated. $0.218 \times 0.141 \times 0.055$.
- 45.31. Chinese, period of the Six Dynasties. Buddhist statuette: Bhaiṣajyagura (Yao-shih-fo). Surface gilded; green and reddish patina on worn areas. 0.127 (height).

CALLIGRAPHY

- 45.16. Arabic (Egypt?) 8th century. Parchment leaf from a *Qur'ān*. Text in black *kūfī* script set against a washed-out blue background. An illuminated band between two *sūras* on the reverse. 0.283×0.398 .
- 45.17. East Persia, 10th century. Parchment leaf from a *Qur'ān*. Text in black *naskhī* script, with red vowel-marks. 0.204×0.302 .
- 45.18. Arabic, 14th century. Fragmentary paper page from a *Qur'ān*, with a black *thulth*, text, and the word *Allāh* in gold. 0.178×0.361 .
- 45.19.- Arabic 8th-9th century. Two parchment leaves from a *Qur'ān*. Text in black *kūfī* script with red vowel-marks; a *sūra* heading in gold. $45.19, 0.194 \times 0.257$; $45.20, 0.194 \times 0.258$.

CERAMICS

- 44.47. Chinese, Sung dynasty. Ying-ch'ing ware. Bowl with slightly everted lip and slightly concave foot. Body of white porcelain, covered with a pale, transparent blue glaze filled with minute bubbles. Decoration inside incised in the body; principally comb marks. 0.070×0.175 .
- 45.1. Chinese, Ming dynasty. Potiche with short, straight neck sloping slightly inward. Body of hard, white clay, glazed in white, deep blue, turquoise blue, aubergine and brownish yellow in local areas outlined with slip edges in relief. 0.305×0.345 .

- 45.2. Chinese, Ch'ing dynasty. Ch'ien Lung period (A. D. 1736-1796). Vase, ovoid, with low, spreading foot and flaring lip. Body of fine-grained, hard, white clay, covered with a high-fired, pale buff glaze. The decoration in *famille rose* enamels, gold and iron red over glaze. Six-character mark in gold seal characters under the base. 0.203 x 0.096.
- 45.3. Chinese, Ch'ing dynasty. Ch'ien Lung period (A. D. 1736-1796). Vase, with wide shoulder and short neck. The body is of fine-grained, hard, white clay, with a pale gray, crackled glaze, coated on the outside with transparent green enamel. 0.151 x 0.084.
- 45.5. Chinese, Ch'ing dynasty. Yung-ch'eng period (A. D. 1723-1736). Bottle-shaped vase; two handles on the neck. The body is of thin, white porcelain with a transparent glaze. The outside, except for the handles and foot, is coated with pink enamel, delicately painted in *famille rose* enamels with chrysanthemums, fruit, and butterflies. Four-character mark on the foot. 0.122 x 0.075.
- 45.10. Chinese, 11th-12th century. Sung dynasty. Tz'ü-chou type. A large jar, with a wide mouth and two strap handles; bold foot ring. The body is of buff-colored, porcelainous stoneware. The shoulder and strap-handles are covered with a delicate, applied ribbing under a lustrous brown glaze having a minute gray speckling; the lower body with a shiny brown glaze roughened by adhesions. Possibly from Ch'ing-ho hsien. 0.286 x 0.276 (diameter).
- 44.49. Persian, 11th century. So-called Aghkand ware. Bowl with a narrow flat rim and low ring foot. Body of fine-grained, fairly hard, reddish-buff earthenware. The decoration, a design of a cock in scrolls is incised in the white covering slip and colored green, yellow, and brown in local areas under a transparent glaze. 0.098 x 0.276 (diameter). (Illustrated.)
- 45.8 Persian, 13th century. Rayy. Bowl, standing on a low basal ring. The body is of soft, grayish clay covered with a cream-white glaze upon which a figural decoration is painted in polychrome, in so-called *minai* technique. 0.085 x 0.203.

MANUSCRIPT

- 44.48. Persian, 16th century (A. D. 1524), Šafavid period. Herāt. Anthology, containing selections from the works of Jalal ad-Dīn Rumī, Nizāmī, Sa'dī, and Sanā'ī, bound in gold stamped and tooled leather. *Nasta'liq* script, written by the calligraphers Shaikh Mahmūd, Mir 'Alī Husainī, Sulṭān Muhammad Nūr (attr.), Muhammad Qāsim b. Shādi-Shāh, and Sulṭān Muhammad Khandān. Three colophons. Frontispiece by Bihzād (see Painting, 44.48A). 0.250 x 0.170 x 0.022.

NEAR EASTERN METALWORK

- 45.13. Persian, 6th-8th century. Sāsānian type. A bronze ewer with a pear-shaped body on a high foot; slender handle terminating in stylized antelope heads. Dark green, glossy patina with areas of red. A small repair on one side. 0.437 x 0.165.
- 45.14. Veneto-Islamic, middle of the 16th century. Waterbucket with ball handle (*saṭl*). The outer surface of the body and the handle and a border along the inside upper edge are decorated with engraving and silver inlay. The inside is engraved and gilded. 0.322 (with handle raised); 0.197 (with handle down); 0.300 (diameter). (Illustrated.)



45.14



44.49

RECENT ADDITIONS TO THE COLLECTION OF THE FREER GALLERY OF ART



44.51



45.11

RECENT ADDITIONS TO THE COLLECTION OF THE FREER GALLERY OF ART

- 45.6. Persian, 17th century (A. D. 1683-1684). A brass astrolabe: a northern instrument fitted with a shackle for suspension equipped with a cord; a rete or *'ankabūt*, four six-partite tablets, an alidade, a pin, and a bolt. Surface ornament chased and engraved. Dated and signed by the maker, Ustad Muhammad Zamān. 0.176 x 0.129 (diameter).

PAINTING

- 44.51. Chinese, Sung dynasty. By Mao I, fl. ca. A. D. 1165. Swallows and a willow tree: a fan painting in ink on silk. Signature and two seals. 0.250 x 0.247 (diameters). (Illustrated.)
- 44.52. Chinese, Sung dynasty, 10th century. Mountain landscape: an album painting in color and ink on silk. One seal; two fragments of seals. 0.275 x 0.220.
- 44.53. Chinese, Sung dynasty, 12th century. Style of Li T'ang. Winter scene; with a man on a water buffalo carrying a ring-necked pheasant; willow, bamboo, and ilex (?). An album painting in color and ink on silk. Two half seals. 0.235 x 0.245.
- 44.50. Chinese, Yüan dynasty. Attributed to Chao Mêng-fu (A. D. 1254-1322). Three horses. Ink and slight color on silk. 0.267 x 0.219.
- 45.32. Chinese, Yüan dynasty, dated in correspondence with A. D. 1347. By Chao Yung. A horse and a groom in a red coat. A scroll painting in color and ink on paper. Signature and seal plus 25 seals and one inscription. 0.317 x 0.735.
- 45.27. Indian, Mughal, second half of the 16th century. School of Akbar. The emperor Bābur receiving the capitulation of Kābul in 910 H (A. D. 1510). "Work of Mahesh. Portraits by Basawan" (contemporary attribution). Painted in colors and gold on paper. Text in *nasta'liq* script. 0.334 x 0.202.
- 45.28. Indian, Mughal, second half of the 16th century. School of Akbar. The abduction of a princess by sea. Painted in colors, gold and silver (oxidized) on paper. A small area of text in *nasta'liq* script. 0.174 x 0.119.
- 45.9. Indian, Mughal, 17th century (ca. A. D. 1620). School of Jahāngīr. A political allegory symbolizing the peace of the world. It represents the two great rulers, Jahāngīr of India and Shāh 'Abbās of Persia, standing in mutual embrace upon the forms of a lion and a lamb crouched upon a terrestrial globe, and surrounded by a golden nimbus. Painted in colors and gold on paper as an album picture. Inscriptions. 0.238 x 0.153.
- 45.9A. The above picture is mounted within a floral border, painted in colors on a gold ground. Signed and dated: Muhammad Ṣādiq 1160 H (A. D. 1747).
- 45.29. Indian, Mughal, early 17th century. School of Jahāngīr. The world of animals. A wash drawing in pale tints. 0.234 x 0.117. Persian, early 14th century. Mongol (*Īl-Khān*) period. Two leaves from a *Manāfi 'al-Hayawān*, with a text written in black and red *naskhī* script; one title in blue angular *kūfī* script, outlined in red. Paintings in color and gold.
- 44.54. Two owls in a tree. Paper: 0.242 x 0.199. Painting: 0.117 x 0.078.
- 44.55. Two doves in a rocky landscape. Paper: 0.262 x 0.207. Painting: 0.086 x 0.019.

- 44.56. Persian, middle 14th century. Mongol (Īl-Khān) period. Leaf from a *Shāhnāma*: Rustam slays Ashkabūs and his horse. Color and gold. Text in black *naskhī* script; title (*verso*) in red *naskhī*. Paper: 0.290 x 0.202. Painting: 0.083 x 0.152. Persian, first half of the 14th century. Mongol (Īl-Khān) period. Six miniatures from a *Shāhnāma*, painted in opaque color and gold. The paintings, minute in size and exquisitely executed, are as follows:
- 45.21. Khusraw Parwiz greeted by an old astrologer before his hermitage. 0.059 x 0.120.
- 45.22. The death of the Simurgh. 0.043 x 0.120.
- 45.23. The div Akwan about to throw the sleeping Rustam into the sea. 0.058 x 0.120.
- 45.24. Rustam encamped within sight of the hosts of Turan. 0.068 x 0.120.
- 45.25. Siyawush, while hunting with Afrasiyab, cleaves an onager in two. 0.048 x 0.120.
- 45.26. Piran stays the execution of Bizhan at the foot of the gibbet. 0.048 x 0.120.
- 45.7. Persian, Mongol (Inju) period (A. D. 1341). Shīrāz school. Illustration from a *Shāhnāma*: the hero Rustam rolling away the great boulder from the mouth of the pit where Bizhan is imprisoned. Color and slight gold; red background above ground; black background in the pit. Paper leaf: 0.352 x 0.301. Painting: 0.148 x 0.238.
- 44.48A. Persian, 15th-16th century. Herāt school. By Bihzād. An old man and a youth in a mountain landscape; a circular composition (*shamsa*) within an illuminated border, mounted as a frontispiece to the *Anthology*, 44.48. Color, gold and silver (oxidized); surface slightly worn. Signature and inscription. 0.082 (diameter).

SCULPTURE

- 44.46. Chinese, T'ang dynasty, 8th-9th century. Image of a seated Buddha, molded in dry lacquer. Traces of color on the robe and of gilt on the flesh parts. Hands and long ear-lobes broken off. 0.995 x 0.725 x 0.567.
- 45.4. Chinese, Yüan dynasty, 13th-14th century. Image of a Bodhisattva, molded in dry lacquer. Traces of blue, gold, and green paint and of gold leaf. Slightly damaged and repaired. 0.583 x 0.431 x 0.567.
- 45.11.- Chinese, T'ang dynasty, 8th-9th century. Figures of two horsewomen, playing polo, carved in wood. Remains of polychrome painting and a white priming coat. Slight damages. 45.11, 0.361 x 0.142 x 0.361. (Illustrated). 45.12, 0.367 x 0.136 x 0.360.

SILVER

- 44.58. Chinese, 8th-9th century. T'ang dynasty. Ladle, with a seven-lobed bowl; the surface covered with delicate engraved ornament. 0.312 (length).

The work of the staff members has been devoted to the study of new acquisitions, of other objects submitted for purchase, and to general research work within the collections of Chinese, Arabic, Persian, and Indian fine arts; the preparation of material for publication and revisions of earlier work. Reports, oral or written, were made upon oriental objects belonging to other institutions or submitted for ex-

amination by private owners, to the total number of 1,918 objects and 110 reproductions of objects. Written translations of 132 oriental language inscriptions were made on request. Docent service and public lectures given by staff members are listed below.

WAR WORK

In addition to their regular curatorial work, a large part of the time of two members of the staff was given to work for other Government agencies directly concerned with war work. One of these members was detached from the Gallery to work at the Office of War Information 4 days a week for a period of 6 months. Other work, involving the correction and revision of official Government publications on China and Japan, was done at the Freer Gallery, where also working space and assistance was given to a group of four persons from the American Committee for the Protection and Salvage of Artistic and Historic Monuments in War Areas, working on the project for Korea. Several individuals from branches of the armed services were assisted in special studies and given 122 photographs. Fifty-eight photographs of Chinese objects in the collection were presented to a representative of the National Library of Peiping.

Repairs to the collection can be summarized as follows:

Chinese paintings remounted.....	243
Tibetan painting remounted.....	1
Chinese lacquer figure repaired.....	1
Chinese stone sculpture repaired.....	1
Chinese wood sculpture repaired.....	1
Persian manuscript page repaired.....	1

Changes in exhibition totaled 1,373, as follows:

American paintings.....	95
Arabic arts:	
Bookbindings.....	6
Manuscripts.....	45
Paintings.....	16
Wood carving.....	3
Armenian manuscripts.....	8
Chinese arts:	
Bamboo, carved.....	4
Bronzes.....	200
Ceramics.....	148
Gold and silver-gilt.....	21
Jade.....	328
Lacquer.....	1
Marble.....	4
Paintings.....	40
Stone sculpture.....	26
East Christian paintings.....	6
Egyptian stone sculpture.....	1

Greek manuscripts	4
Indian arts:	
Manuscripts	14
Paintings	75
Sculptures	8
Islamic metalwork	32
Korean pottery	24
Near Eastern pottery	66
Persian arts:	
Bookbindings	8
Manuscripts	22
Paintings	138
Silver	4
Syrian glass	16

ATTENDANCE

The Gallery has been open to the public every day except Christmas Day and Mondays up to Monday, January 29, 1945, on which day it began to be open to the public 7 days a week.

The total number of visitors coming in at the main entrance was 72,149. Thirty-seven other visitors on Mondays previous to January 29 made a grand total of 72,186. The total attendance on weekdays was 41,671; on Sundays, 30,478. The average weekday attendance was 148; the average Sunday attendance, 586. The highest monthly attendance was in April, with 7,981 visitors; the lowest, in December, with 3,611 visitors.

There were 1,412 visitors to the main office during the year; the purposes of their visits were as follows:

For general information	349
To see members of the staff	527
To read in the library	216
To make tracings and sketches from library books	5
To see building and installations	12
To make photographs and sketches	15
To see exhibition galleries on Monday	5
To examine or purchase photographs and slides	336
To submit objects for examination	228
To see objects in storage	263
<i>Washington Manuscripts</i>	23
Far Eastern paintings and textiles	53
Near Eastern paintings and manuscripts	37
Tibetan paintings	1
Indian paintings and manuscripts	7
American paintings	55
Whistler prints	4
Oriental pottery, jade, bronze, lacquer, and bamboo	67
Gold Treasure and Byzantine objects	7
All sculpture	8
Syrian and other glass	1

DOCENT SERVICE, LECTURES, MEETINGS

By request, 4 groups met in the study rooms and 4 groups in the exhibition galleries for instruction by staff members; total, 191 persons.

Illustrated lectures given by staff members were as follows:

October 29, 1944-----	National Gallery of Art. "Chinese Porcelains," by Mr. Pope.
November 10-13, 1944-----	Cleveland Museum of Art. "The Character of Islamic Art"; "The Islamic Exhibition (current)"; "Life and Literature in Persian Miniature Painting"; "Persian Figural Textiles of the 16th and 17th centuries"; by Dr. Ettinghausen.
January 21, 1945-----	Freer Gallery auditorium. The Thornton Society of Washington. "James McNeill Whistler and the Peacock Room," by Miss Guest.
February 27, 1945-----	Museum group of the Special Libraries Association meeting in the Y. W. C. A. hall, 614 E Street. "Persian Painting," by Dr. Ettinghausen.
March 24, 1945-----	Chinese Art Society of America, New York. "Chinese Ceramics," by Mr. Pope.
April 18, 1945-----	University of Minnesota, Minneapolis. "Persian Art: A Survey," by Dr. Ettinghausen.
April 19, 1945-----	Minneapolis Institute of Arts. "Persian Miniatures," by Dr. Ettinghausen.
May 23, 1945-----	Dumbarton Oaks Research Library and Collection of Harvard University, Washington, D. C. "The Metamorphosis of the Persian Miniature," by Dr. Ettinghausen.
June 21, 1945-----	The Arts Club of Washington. "Early Chinese Bronzes and Jades," by Miss Guest.

The Extension Service of the United States Department of Agriculture held a meeting in the auditorium on January 5, 1945.

Several official visits away from the city were made by staff members upon request as follows:

Mr. Wenley to examine collections of Chinese art objects at the College of William and Mary, and at the Art Institute of Chicago.

Dr. Ettinghausen to assist at the installation of a Near East exhibition at the Baltimore Museum of Art.

Other official visits made by staff members were to examine objects offered for sale in New York, to attend special exhibitions there, or to engage in some project of research.

PERSONNEL

Richard Ettinghausen appointed associate in Near Eastern art September 1, 1944.

Eliza Maud Hayward appointed clerk-stenographer (CAF-4) September 6, 1944.

Bertha M. Usilton appointed librarian September 25, 1944.

Grace G. Barnett, librarian, resigned on October 19, 1944.

Joseph H. Boswell, sergeant of the guards, who had been at the Freer Gallery from September 1923 until he retired at his own request on June 30, 1943, died at his home December 8, 1944.

E. Harriet Link, clerk-stenographer (CAF-5), transferred to the American Red Cross as hospital staff aide, for service abroad, February 19, 1945.

John A. Pope, detached from the Freer Gallery to go on active duty as Captain, U. S. Marine Corps Reserve, April 7, 1945.

Jewell A. Kidd appointed clerk-stenographer (CAF-5) May 7, 1945.

Grace T. Whitney worked intermittently at the Gallery in the Near East section between October 24, 1944, and June 15, 1945.

Other changes in personnel are as follows:

Appointments: Odell M. Brantley, guard (CPC-4), November 5, 1944; Rufus R. Thompson, guard (CPC-4), by transfer from Smithsonian Institution night force, January 24, 1945; Lynn V. Black, guard (CPC-4), April 12, 1945.

Separations from the service: Florence E. James, intermittent attendant, September 24, 1944; Chauncey H. Houdeshel, guard (CPC-4), March 8, 1945; Emil L. Zorn, senior mechanic (CPC-7), by voluntary transfer to the Bureau of Aeronautics, Navy Department, February 1, 1945; James W. Burns, guard (CPC-4), retired on account of disability May 31, 1945.

Respectfully submitted.

A. G. WENLEY, *Director.*

Dr. A. WETMORE,

Secretary, Smithsonian Institution.

APPENDIX 5

REPORT ON THE BUREAU OF AMERICAN ETHNOLOGY

SIR: I have the honor to submit the following report on the field researches, office work, and other operations of the Bureau of American Ethnology during the fiscal year ended June 30, 1945, conducted in accordance with the act of Congress of June 27, 1944, which provides “* * * for continuing ethnological researches among the American Indians and the natives of Hawaii and the excavation and preservation of archeologic remains. * * *”

During the fiscal year emphasis on activities concerned with the war effort and with Latin America has continued. It is hoped that as the need for war studies becomes less, the Bureau may soon resume its normal functions.

SYSTEMATIC RESEARCHES

Dr. M. W. Stirling, Chief of the Bureau, left Washington for Mexico on January 29, 1945, to continue the work of the Smithsonian Institution-National Geographic Society archeological project in southern Mexico. From February 24 to March 6 a reconnaissance trip was made in the vicinity of Tapachula, Chiapas, during which a number of archeological sites were located. Two of these, at Caca-huatan and at San Geronimo, contained carved stone monuments.

From March 6 to May 24 excavations were conducted at the site of Piedra Parada, Chiapas, 12 miles north of the town of Ocozocoautla. Most of the work was conducted on a large earth mound which covered a complex stone-masonry structure, but a number of excavations were also made at other points in the site. Previous to inaugurating this work, and at intervals during its progress, trips were made to a number of limestone caves in the vicinity, all of which had been used as places of offering and contained large quantities of ceramic remains. The material from the caves belonged to the same relatively early period as that from the mound site.

From May 28 to May 31 a new and large site of the La Venta culture was discovered as a result of information received from Juan Del Alto, of Coatzacoalcos. It is located on the Río Chiquito in southern Veracruz, near the small village of Tenochtitlan, on lands known as San Lorenzo. The site contains two large mound groups and a considerable number of carved monuments, including the two

largest colossal heads of La Venta type yet discovered. Unique features at the site are a stone aqueduct and a stone fount in the form of a swimming duck, decorated with water symbols.

Dr. Stirling returned to Washington on June 17, 1945.

Dr. John P. Harrington, ethnologist, prepared during the fiscal year 12 articles on American Indian linguistic subjects. Outstanding among these is one on the Guaraní language of South America, produced through collaboration with Dr. G. T. Berton, and one on the Quechua language, written with the help of Prof. J. M. B. Farfán of Lima, Perú. A large proportion of Dr. Harrington's time throughout the year was spent in translating letters and documents in obscure languages for the Office of Censorship.

During the fiscal year Dr. Frank H. H. Roberts, Jr., archeologist, continued to work on the material obtained from the Lindenmeier site in northern Colorado—the location where a group of so-called Folsom men camped during the closing stages of the last glacial period—expanding his studies to include comparisons with artifacts from other sites attributable to early archeological horizons in the New World. In this connection he prepared a manuscript "The New World Paleo-Indian" for publication in the Annual Report of the Smithsonian Institution for 1944, an article "A Deep Burial on the Clear Fork of the Brazos River" for the Bulletin of the Texas Archeological and Paleontological Society, and a paper "An Early Texan" for the Scientific Monthly.

In March 1945 Dr. Roberts was designated as liaison officer between the Smithsonian Institution and the Committee for the Recovery of Archaeological Remains—a group representing the Society for American Archaeology, the American Anthropological Association, and the American Council of Learned Societies—which was organized for the purpose of providing ways and means for the recovery of materials that may be lost through the construction of dams and the flooding of large areas along many of the river systems throughout the United States. Dr. Roberts attended all meetings of this Committee, presenting the Institution's viewpoint and assisting in the drafting of plans for carrying out such a recovery program. Dr. Roberts devoted considerable time during the latter months of the fiscal year to a study of the maps and project reports of the Corps of Engineers and the Bureau of Reclamation for the dams which they plan to construct, and to research in the archeological literature relating to these areas in an effort to determine the districts where sites will be inundated and where provisions should be made for survey and excavation projects.

In accord with the Smithsonian Institution's policy of cooperation with the Library of Congress, Dr. Roberts annotated four books on anthropological subjects for the United States Quarterly Book List. He also continued to serve as a member of the Institution's Personnel

Utilization Committee and as a part of this work prepared a manuscript for a handbook "Smithsonian Institution—Information for Employees." In addition he was the general department representative on the Efficiency Rating Review Board for the Smithsonian Institution, and attended the United States Civil Service Commission's Fourth Annual Institute of Efficiency Rating Boards of Review in June 1945.

On September 22, 1944, Dr. Roberts was appointed Assistant Chief, and during absences of the Chief served as Acting Chief of the Bureau.

Dr. Henry B. Collins, Jr., ethnologist, continued his work in connection with the Ethnogeographic Board. As in the previous year, he handled requests for information on geographical and other subjects which came to the Board from the Army, Navy, and other war agencies. When Dr. Wm. Duncan Strong resigned as Director in July, Dr. Collins was made Acting Director, and at the first Board meeting thereafter, in December, he was appointed Director.

At the invitation of the sponsoring committee, Dr. Collins attended a meeting held in Montreal in September for the purpose of organizing the Arctic Institute of North America. The purpose of the Institute is to initiate, encourage, and support scientific research in Alaska, Canada, and Greenland, on the premise that studies in many fields of science will be required as the basis for efficient planning for the development of the Arctic and sub-Arctic regions of North America. As one of the governors of the Arctic Institute, Dr. Collins attended several meetings in Montreal, at which plans for the operations of the organization were formulated.

During such time as was available, Dr. Collins continued his researches on the archeology of the Eskimo and related problems.

Dr. William N. Fenton, ethnologist, for the fourth successive year continued to devote a large part of the year to activities arising from the war effort. As research associate for the Ethnogeographic Board, six reports on Area Studies in American Universities were completed and issued in mimeograph form; others are in manuscript. These reports cover a survey of Army training programs undertaken in 1944, and again considerable time was spent in travel to the universities while observing the programs and interviewing teachers and trainees. The reception that greeted reports already distributed indicates that they are not without some usefulness.

Scientific activities, although still of necessity somewhat curtailed, picked up toward the end of the year. Dr. Fenton was reelected secretary of the Anthropological Society of Washington, and was appointed to the Board of Editors of the Journal of the Washington Academy of Sciences, to serve for 3 years. Field researches on the Iroquois were resumed. Through a grant from the Viking Fund of New York, Dr. Fenton visited the Six Nations Reserve near Brantford,

Canada, between April 23 and May 19. The Archive of American Folk Song, of the Library of Congress, again furnished recording equipment, enabling Dr. Fenton to make complete sound recordings of the chants of the Iroquois Condolence Council, previously uncollected, Chanters for the Dead, and several social dances. While in Canada, Dr. Fenton visited Toronto to consult with anthropologists at the University concerning a postwar plan for Iroquois studies, and certain specimens were studied at the Royal Ontario Museum of Archaeology.

In addition to reports issued by the Ethnogeographic Board, several book reviews, notes, and articles were contributed to scientific and literary journals. A series on "Place Names and Related Activities of the Cornplanter Senecas" appeared during 1945 in the *Pennsylvania Archaeologist*. The Northwest Ohio Quarterly carried a "Commentary on Samuel Crowell's Account of Seneca Dog Sacrifice near Sandusky (1830)." A second paper, by J. N. B. Hewitt, "Some Mnemonic Pictographs Relating to the Iroquois Condolence Council," was completed by Dr. Fenton in the field and accepted for publication in the *Journal of the Washington Academy of Sciences*, being in proof at the close of the fiscal year. Considerable progress may be noted on a related manuscript, which is a field report on "A Cayuga Condolence Cane with Pictographs Denominating the Founders of the Iroquois League," a project that was undertaken in 1943 for the Cranbrook Institute of Science.

Near the close of the fiscal year, Dr. Fenton visited Harrisburg, Warren, and Philadelphia, Pa., for the purpose of furthering ethnological studies among the Cornplanter and Allegany Senecas in cooperation with the staff of the Pennsylvania Historical Commission, local historians in northwestern Pennsylvania and southwestern New York, and the University of Pennsylvania.

In connection with projected research in the prehistory of river valleys, Dr. Fenton prepared a plan for "An Anthropological Survey of the Allegheny River Reservoir Area of New York and Pennsylvania."

Dr. H. G. Barnett, anthropologist, has devoted his efforts during the fiscal year to studies concerning the general problem of cultural change. Data bearing on this problem were obtained in the past in the field from various Indian communities and are supplemented by diverse historical sources such as regional histories, diaries, pioneer reminiscences, missionary accounts, church records, and a host of official reports on Indian investigations and reservation administration. The Indian communities involved include those of the Yurok and Hupa in northern California, the Siletz and Klamath in Oregon, and the Yakima, as well as several smaller groups around the southern end of Puget Sound, in the State of Washington. Two publications

are contemplated. It is expected that one of them, now in preparation, will be completed at an early date.

Dr. Gordon R. Willey, anthropologist, spent a large part of the fiscal year in editorial work on the *Handbook of South American Indians*, translating and revising manuscript material and selecting and preparing illustrations. He also began and completed the study of several large collections of archeological specimens from south Florida. These collections, now in the United States National Museum, came from sites in Palm Beach, Broward, and Dade Counties, and were excavated by Gene M. Stirling and Lloyd C. Reichard, representatives of the Bureau of American Ethnology, during the years 1933-1936, as a part of the Federal Relief program in archeology. The field operations were conducted by Mr. Stirling and Mr. Reichard, and their notes, drawings, and photographs were used by Dr. Willey in the preparation of the final report, entitled "Excavations in Southeast Florida," which will be published in the Yale University series in anthropology. The manuscript totaled approximately 50,000 words, and included several tables, 8 line drawings, maps, and 17 collotype illustrations.

During the last few months of the fiscal year, a part of Dr. Willey's official duties were given over to preliminary preparations for archeological research in Perú. This projected program calls for a cooperative investigation of the Viru Valley of northern Perú. Columbia University, Yale University, and the Bureau of American Ethnology are the proposed participants. Actual research and results of research will be undertaken and published separately by the participants; collaboration will be in the form of common service functions, such as field laboratories, transportation, and aerial photography. The work is planned for the spring and summer of 1946.

INSTITUTE OF SOCIAL ANTHROPOLOGY

The Institute of Social Anthropology was created in 1943, as an autonomous unit of the Bureau of American Ethnology, to carry out cooperative training in anthropological teaching and research with the other American republics. As the Director, Dr. Julian H. Steward, was instructed in the official order establishing the Institute to report to the Secretary of the Smithsonian Institution, there is presented here his report to Secretary Wetmore.

The Institute of Social Anthropology, carrying out a program of cultural and scientific cooperation with the American republics under a grant transferred from the Department of State, continued under the directorship of Dr. Julian H. Steward. Dr. Alfred Métraux, Assistant Director, was transferred to the War Department on April 2, 1945, to accept an assignment for work in Europe. Miss Ethelwyn

Carter served as secretary throughout the year. Dr. Henry J. Bruman, cultural geographer, who had been on leave of absence since July 17, 1944, resigned on June 30, 1945.

In Mexico, the Institute was represented by Dr. George M. Foster, Jr., anthropologist, and Dr. Roland D. Brand, cultural geographer, cooperating with the Escuela Nacional de Antropología of the Instituto Nacional de Antropología e Historia. From August to December they taught at the Escuela, and from December to June they supervised a party doing field research among Tarascan villages in Michoacán. The field party consisted of students from Mexico and from several other American republics.

In Perú, the Institute was represented by Dr. John P. Gillin, anthropologist, until his resignation January 31, 1945, to resume his teaching duties at Duke University. Dr. Gillin spent approximately 6 months making a study of Moche, a north coast Indian community. Mr. Harry Tschopik, Jr., anthropologist, joined the staff of the Institute on January 1, 1945, and was assigned to the field office in Lima, Perú. In cooperation with the Museos Históricos, under the direction of Dr. Luis Valcárcel, he supervised a field party consisting of representatives of the Museos Históricos in making a cultural survey of the central Highlands of Perú in the region of Huánuco.

An agreement was concluded with the Escola Livre de Sociologia e Política, of São Paulo, Brazil, for cooperation in teaching and research in the social anthropology of Brazil. Representatives of the Institute of Social Anthropology are to be detailed to Brazil at a later date.

Arrangements for cooperative work in Colombia remained uncompleted.

Publication Number 1 of the Institute of Social Anthropology, "Houses and House Use of the Sierra Tarascans," by Ralph L. Beals, Pedro Carrasco, and Thomas McCorkle, was made available for distribution. Publication Number 2, "Cherán, a Sierra Tarascan Village," by Ralph L. Beals, was received in galley proof from the printer. Publication Number 3, "Moche, a Peruvian Coastal Community," by John P. Gillin, and Publication Number 4, "Cultural and Historical Geography of Southwest Guatemala," by Felix Webster McBryde, were sent to the printer.

Of the \$61,132 originally allocated by the Department of State to the Institute of Social Anthropology for the fiscal year 1945, \$3,500 was transferred back to the Department of State and \$2,500 transferred to the Handbook of South American Indians for the purchase of an extra 600 copies of volume 3 to be distributed by the Department of State. From the remaining amount, \$51,418 was actually obligated, making a savings of \$3,714.

In June 1945 the Smithsonian Institution accepted a grant of \$2,500 from the Office of Inter-American Affairs to be allotted to Dr. Gregorio Hernández de Alba of Bogotá, Colombia, for work on the anthropology of Colombia.

HANDBOOK OF SOUTH AMERICAN INDIANS

Work continued on the Handbook of South American Indians. Volume 1, "The Marginal Tribes," was received in page proof and volume 2, "The Andean Civilizations," in galley proof from the printer; volume 3, "The Tropical Forest Tribes," and volume 4, "The Circum-Caribbean Tribes," were completed and sent to the printer; and volume 5, "Comparative Anthropology of South American Indians," is in the final stages of preparation.

Mrs. Lucille E. Levine, stenographer, resigned on April 10, 1945, and Dr. Gordon R. Willey was transferred to the Bureau of American Ethnology from the roll of the Handbook of South American Indians on August 17, 1944.

For the completion of the Handbook of South American Indians, \$6,000 was transferred from the Department of State. An additional \$2,500 was authorized by the Department of State to be transferred to the Handbook to purchase 600 extra copies of volume 3 for distribution by the Department of State from the amount originally allocated to the Institute of Social Anthropology. Of this total amount, \$8,482 was actually obligated.

SPECIAL RESEARCHES

Because of lack of funds, no special researches were conducted during the fiscal year.

EDITORIAL WORK AND PUBLICATIONS

The editorial work of the Bureau continued during the year under the immediate direction of the editor, M. Helen Palmer. There were issued one annual report, one bulletin, one special publication, and one paper in the Institute of Social Anthropology Series, as follows:

Sixty-first Annual Report of the Bureau of American Ethnology, 1943-1944. 9 pp.

Bulletin 142. The contemporary culture of the Cáhita Indians, by Ralph L. Beals. xii+244 pp., 20 pls., 33 figs., 1 map.

List of Publications of the Bureau of American Ethnology, with index to authors and titles. Revised to June 30, 1944. 68 pp.

Institute of Social Anthropology Publ. No. 1. Houses and house use of the Sierra Tarascans, by Ralph L. Beals, Pedro Carrasco, and Thomas McCorkle. 37 pp., 8 pls., 20 figs.

The following publications were in press at the close of the fiscal year:

Bulletin 137. The Indians of the Southeastern United States, by John R. Swanton.

Bulletin 143. Handbook of South American Indians. Julian H. Steward, editor. Volume 1: The Marginal tribes. Volume 2: The Andean civilizations. Volume 3: The Tropical Forest tribes. Volume 4: The circum-Caribbean tribes.

Publications distributed totaled 11,570.

In addition to the regular work, the editorial staff of the Bureau continued work on the publications of the Institute of Social Anthropology.

LIBRARY

There has been no change in the library staff during the fiscal year. Accessions during the year totaled 204. There has been a large increase in gifts, both spontaneous and on our request. Aside from one large gift which came to us as a unit, both types of gifts are double the number received during the previous fiscal year. Exchanges also much increased over last year and material is beginning to come in from the various countries of western Europe now that postal service is once more established. Several foreign serial sets have been brought up to date by missing numbers supplied, sometimes in long runs, so that our serial sets are in a very good position, considering the disturbed conditions of the past 5 years.

The routine of accessioning and cataloging new material has been kept up to date, and the checklist for the supplement to the last edition of the Union List of Serials was checked for new entries and errors and returned to the editor.

ILLUSTRATIONS

During the year E. G. Cassedy, illustrator, continued the preparation of illustrations, maps, and drawings for the publications of the Bureau and for those of other branches of the Institution.

COLLECTIONS

Collections transferred by the Bureau of American Ethnology to the Department of Anthropology, United States National Museum, during the fiscal year were as follows:

*Accession
No.*

168052. Collection of spoons and fishhooks from Indians of the northwest Pacific coast of British Columbia and southeast Alaska; also a bone skin scraper from the Alaskan Eskimo. From the estate of David I. Bushnell, Jr.
168260. Collection of arrows, skin quivers, and headdresses from the Hupa Indians, Humboldt County, Calif., collected by E. G. Johnson.

*Accession
No.*

168929. Ethnological specimens collected by J. N. B. Hewitt from the Iroquois Indians of the Six Nations Reserve, Grand River, Ontario, Canada, and by James Mooney from the Cherokee of North Carolina.

MISCELLANEOUS

During the course of the year information was furnished by members of the Bureau staff in reply to numerous inquiries concerning the North American Indians, both past and present, and the Mexican peoples of the prehistoric and early historic periods. Various specimens sent to the Bureau were identified and data on them furnished for their owners.

Personnel.—Dr. John R. Swanton, ethnologist, who retired on June 30, 1944, was tendered an appointment to the honorary position of collaborator on July 4, 1944. This action was taken in recognition of Dr. Swanton's long and distinguished services to the Bureau. Dr. Gordon R. Willey was appointed on August 16, 1944, as anthropologist, by transfer from the staff of the Handbook of South American Indians. Dr. Frank H. H. Roberts, Jr., was appointed Assistant Chief of the Bureau on September 22, 1944.

Respectfully submitted.

M. W. STIRLING, *Chief.*

Dr. A. WETMORE,
Secretary, Smithsonian Institution.

APPENDIX 6

REPORT ON THE INTERNATIONAL EXCHANGE SERVICE

SIR: I have the honor to submit the following report on the activities of the International Exchange Service for the fiscal year ended June 30, 1945:

There was allocated for the expenses of the Service \$28,166, an increase over the amount for the last year of \$2,029.

The Institution no longer enjoys the use of the franking privilege in transmitting packages through the mails, that privilege to Government departments having been discontinued. This change in the regulations of the Post Office Department has increased considerably the work in the Exchange office as well as the cost of distributing packages formerly sent under frank but now requiring postage.

The number of packages passing through the Service during the year was 386,758, a decrease from last year of 21,006. The weight of these packages was 211,160 pounds, a decrease of 32,020 pounds. For statistical purposes this material is classified as follows:

	Packages		Weight	
	Sent abroad	Received from abroad	Sent abroad	Received from abroad
United States parliamentary documents sent abroad.....	292, 444		<i>Pounds</i> 100, 802	<i>Pounds</i>
Publications received in return for parliamentary documents.....		326		1, 323
United States departmental documents sent abroad.....	47, 238		49, 004	
Publications received in return for departmental documents.....		879		3, 121
Miscellaneous scientific and literary publications sent abroad.....	40, 192		46, 764	
Miscellaneous scientific and literary publications received from abroad for distribution in the United States.....		5, 679		10, 146
Total.....	379, 874	6, 884	196, 570	14, 590
Grand total.....	386, 758		211, 160	

Packages are forwarded abroad partly by freight to exchange bureaus for distribution, and partly by mail direct to their destinations. The number of boxes shipped abroad was 983, an increase over last year of 334. Of these, 462 were for depositories of full sets of United States governmental documents. The number of packages sent by mail to foreign countries was 61,038.

Although the war in Europe ended in the latter part of the fiscal year, it has not yet been possible to resume the regular sending of consignments to the liberated countries. However, the Institution was able to forward through the Office of War Information the boxes that had accumulated here for France (182), Italy (134), and Belgium (107). It also succeeded in sending through the United States Despatch Agent in New York, Howard Fyfe, the accumulations for Sweden (111), Palestine (28), and Egypt (12). Regular shipments to these countries, however, have not yet been started. The countries to which consignments are being forwarded regularly remain the same as at the close of last year, namely:

Eastern Hemisphere:

Great Britain and Northern Ireland.
 Republic of Ireland.
 Portugal.
 Union of Soviet Socialist Republics.
 Africa.
 India.
 Australia.
 New Zealand.

Western Hemisphere: All countries outside of the United States.

Shipments to other countries will be resumed at the earliest date practicable.

FOREIGN DEPOSITORIES OF GOVERNMENTAL DOCUMENTS

The number of sets of United States official publications received for transmission abroad through the Service is 93 (56 full sets and 37 partial sets). The partial set for the National Library of Peiping has been changed to a full set. The depository for Mexico has been changed as indicated in the list.

DEPOSITORIES OF FULL SETS

ARGENTINA: Dirección de Investigaciones, Archivo, Biblioteca y Legislación Extranjera, Ministerio de Relaciones Exteriores y Culto, Buenos Aires.
AUSTRALIA: Commonwealth Parliament and National Library, Canberra.
NEW SOUTH WALES: Public Library of New South Wales, Sydney.
QUEENSLAND: Parliamentary Library, Brisbane.
SOUTH AUSTRALIA: Public Library of South Australia, Adelaide.
TASMANIA: Parliamentary Library, Hobart.
VICTORIA: Public Library of Victoria, Melbourne.
WESTERN AUSTRALIA: Public Library of Western Australia, Perth.
BELGIUM: Bibliothèque Royale, Bruxelles.
BRAZIL: Instituto Nacional do Livro, Rio de Janeiro.
CANADA: Library of Parliament, Ottawa.
MANITOBA: Provincial Library, Winnipeg.
ONTARIO: Legislative Library, Toronto.
QUEBEC: Library of the Legislature of the Province of Quebec.
CHILE: Biblioteca Nacional, Santiago.

CHINA: Bureau of International Exchange, Ministry of Education, Chungking.

PEIPING: National Library of Peiping.

COLOMBIA: Biblioteca Nacional, Bogotá.

COSTA RICA: Oficina de Depósito y Canje Internacional de Publicaciones, San José.

CUBA: Ministerio de Estado, Canje Internacional, Habana.

CZECHOSLOVAKIA: Bibliothéque de l'Assemblée Nationale, Prague.

DENMARK: Kongelige Danske Videnskabernes Selskab, Copenhagen.

EGYPT: Bureau des Publications, Ministère des Finances, Cairo.

ESTONIA: Riigiraamatukogu (State Library), Tallinn.

FINLAND: Parliamentary Library, Helsinki.

FRANCE: Bibliothèque Nationale, Paris.

GERMANY: Reichstauschstelle im Reichsministerium für Wissenschaft, Erziehung und Volksbildung, Berlin, N. W. 7.

PRUSSIA: Preussische Staatsbibliothek, Berlin, N. W. 7.

GREAT BRITAIN:

ENGLAND: British Museum, London.

LONDON: London School of Economics and Political Science. (Depository of the London County Council.)

HUNGARY: Library, Hungarian House of Delegates, Budapest.

INDIA: Imperial Library, Calcutta.

IRELAND: National Library of Ireland, Dublin.

ITALY: Ministero dell'Educazione Nazionale, Rome.

JAPAN: Imperial Library of Japan, Tokyo.

LATVIA: Bibliothéque d'État, Riga.

LEAGUE OF NATIONS: Library of the League of Nations, Geneva, Switzerland.

MEXICO: Secretaría de Relaciones Exteriores, Departamento de Información para el Extranjero, Mexico, D. F.

NETHERLANDS: Royal Library, The Hague.

NEW ZEALAND: General Assembly Library, Wellington.

NORTHERN IRELAND: H. M. Stationery Office, Belfast.

NORWAY: Universitets-Bibliothek, Oslo. (Depository of the Government of Norway.)

PERU: Sección de Propaganda y Publicaciones, Ministerio de Relaciones Exteriores, Lima.

POLAND: Bibliothéque Nationale, Warsaw.

PORTUGAL: Biblioteca Nacional, Lisbon.

RUMANIA: Academia Română, Bucharest.

SPAIN: Cambio Internacional de Publicaciones, Avenida de Calvo Sotelo 20, Madrid.

SWEDEN: Kungliga Biblioteket, Stockholm.

SWITZERLAND: Bibliothéque Centrale Fédérale, Berne.

TURKEY: Department of Printing and Engraving, Ministry of Education, Istanbul.

UNION OF SOUTH AFRICA: State Library, Pretoria, Transvaal.

UNION OF SOVIET SOCIALIST REPUBLICS: All-Union Lenin Library, Moscow 115.

UKRAINE: Ukrainian Society for Cultural Relations with Foreign Countries, Kiev.

URUGUAY: Oficina de Canje Internacional de Publicaciones, Montevideo.

VENEZUELA: Biblioteca Nacional, Caracas.

YUGOSLAVIA: Ministère de l'Éducation, Belgrade.

DEPOSITORIES OF PARTIAL SETS

AFGHANISTAN: Library of the Afghan Academy, Kabul.

BOLIVIA: Biblioteca del Ministerio de Relaciones Exteriores y Culto, La Paz.

BRAZIL:

MINAS GERAES: Directoria Geral e Estatística em Minas, Belo Horizonte.

BRITISH GUIANA: Government Secretary's Office, Georgetown, Demerara.

CANADA:

ALBERTA: Provincial Library, Edmonton.

BRITISH COLUMBIA: Provincial Library, Victoria.

NEW BRUNSWICK: Legislative Library, Fredericton.

NOVA SCOTIA: Provincial Secretary of Nova Scotia, Halifax.

PRINCE EDWARD ISLAND: Legislative and Public Library, Charlottetown.

SASKATCHEWAN: Legislative Library, Regina.

CEYLON: Chief Secretary's Office, Record Department of the Library, Colombo.

DOMINICAN REPUBLIC: Biblioteca de la Universidad de Santo Domingo, Ciudad Trujillo.

ECUADOR: Biblioteca Nacional, Quito.

GUATEMALA: Biblioteca Nacional, Guatemala.

HAITI: Bibliothèque Nationale, Port-au-Prince.

HONDURAS:

Biblioteca y Archivo Nacionales, Tegucigalpa.

Ministerio de Relaciones Exteriores, Tegucigalpa.

ICELAND: National Library, Reykjavik.

INDIA:

BENGAL: Library, Bengal Legislature, Assembly House, Calcutta.

BIHAR AND ORISSA: Revenue Department, Patna.

BOMBAY: Undersecretary to the Government of Bombay, General Department, Bombay.

BURMA: Secretary to the Government of Burma, Education Department, Rangoon.

PUNJAB: Chief Secretary to the Government of the Punjab, Lahore.

UNITED PROVINCES OF AGRA AND OUDH: University of Allahabad, Allahabad.

IRAN: Imperial Ministry of Education, Tehran.

IRAQ: Public Library, Baghdad.

JAMAICA: Colonial Secretary, Kingston.

LIBERIA: Department of State, Monrovia.

MALTA: Minister for the Treasury, Valleta.

NEWFOUNDLAND: Department of Home Affairs, St. John's.

NICARAGUA: Ministerio de Relaciones Exteriores, Managua.

PANAMA: Ministerio de Relaciones Exteriores, Panama.

PARAGUAY: Ministerio de Relaciones Exteriores, Sección Biblioteca, Asunción.

SALVADOR:

Biblioteca Nacional, San Salvador.

Ministerio de Relaciones Exteriores, San Salvador.

THAILAND: Department of Foreign Affairs, Bangkok.

VATICAN CITY: Biblioteca Apostolica Vaticana, Vatican City, Italy.

INTERPARLIAMENTARY EXCHANGE OF THE OFFICIAL JOURNAL

There are now being sent abroad 60 copies each of the Congressional Record and Federal Register. The Bibliothèque du Senat, Paris, was added to the list during the year. The countries to which these journals are now being forwarded are given in the following list:

DEPOSITORIES OF CONGRESSIONAL RECORD AND FEDERAL REGISTER

ARGENTINA :

Biblioteca del Congreso Nacional, Buenos Aires.

Cámara de Diputados, Oficina de Información Parlamentaria, Buenos Aires.

Boletín Oficial de la República Argentina, Ministerio de Justicia e Instrucción Pública, Buenos Aires.

AUSTRALIA :

Commonwealth Parliament and National Library, Canberra.

NEW SOUTH WALES: Library of Parliament of New South Wales, Sydney.

QUEENSLAND: Chief Secretary's Office, Brisbane.

WESTERN AUSTRALIA: Library of Parliament of Western Australia, Perth.

BRAZIL :

Biblioteca do Congresso Nacional, Rio de Janeiro.

AMAZONAS: Archivo, Biblioteca e Imprensa Publica, Manáos.

BAHIA: Governador do Estado da Bahia, São Salvador.

ESPIRITO SANTO: Presidencia do Estado do Espirito Santo, Victoria.

RIO GRANDE DO SUL: "A Federação," Porto Alegre.

SERGIPE: Biblioteca Publica do Estado de Sergipe, Aracajú.

SÃO PAULO: Imprensa Oficial do Estado, São Paulo.

BRITISH HONDURAS: Colonial Secretary, Belize.

CANADA :

Library of Parliament, Ottawa.

Clerk of the Senate, Houses of Parliament, Ottawa.

CUBA: Biblioteca del Capitolio, Habana.

FRANCE: Bibliothéque du Senat, Paris.

GREAT BRITAIN: Printed Library of the Foreign Office, London.

GUATEMALA: Bibiloteca de la Asamblea Legislativa, Guatemala.

HAITI: Bibliothéque Nationale, Port-au-Prince.

HONDURAS: Biblioteca del Congreso Nacional, Tegucigalpa.

INDIA: Legislative Department, Simla.

IRISH FREE STATE: Dail Eireann, Dublin.

MEXICO :

Dirección General de Información, Secretaría de Gobernación, Mexico, D. F.

Biblioteca Benjamin Franklin, Mexico, D. F.

AGUASCALIENTES: Gobernador del Estado de Aguascalientes, Aguascalientes.

CAMPECHE: Gobernador del Estado de Campeche, Campeche.

CHIAPAS: Gobernador del Estado de Chiapas, Tuxtla Gutierrez.

CHIHUAHUA: Gobernador del Estado de Chihuahua, Chihuahua.

COAHUILA: Periódico Oficial del Estado de Coahuila, Palacio de Gobierno, Saltillo.

COLIMA: Gobernador del Estado de Colima, Colima.

DURANGO: Gobernador Constitucional del Estado de Durango, Durango.

GUANAJUATO: Secretaría General de Gobierno del Estado, Guanajuato.

GUERRERO: Gobernador del Estado de Guerrero, Chilpancingo.

JALISCO: Biblioteca del Estado, Guadalajara.

LOWER CALIFORNIA: Gobernador del Distrito Norte, Mexicali.

MÉXICO: Gaceta del Gobierno, Toluca.

MICHOACÁN: Secretaría General de Gobierno del Estado de Michoacán, Morelia.

MORELOS: Palacio de Gobierno, Cuernavaca.

NAYARIT: Gobernador de Nayarit, Tepic.

NUEVO LEÓN: Biblioteca del Estado, Monterrey.

OAXACA: Periódico Oficial, Palacio de Gobierno, Oaxaca.

PUEBLA: Secretaría General de Gobierno, Puebla.

QUERÉTARO: Secretaría General de Gobierno, Sección de Archivo, Querétaro.

SAN LUIS POTOSÍ: Congreso del Estado, San Luis Potosí.

SINALOA: Gobernador del Estado de Sinaloa, Culiacán.

SONORA: Gobernador del Estado de Sonora, Hermosillo.

TABASCO: Secretaría General de Gobierno, Sección 3a, Ramo de Prensa, Villahermosa.

TAMAULIPAS: Secretaría General de Gobierno, Victoria.

TLAXCALA: Secretaría de Gobierno del Estado, Tlaxcala.

VERACRUZ: Gobernador del Estado de Veracruz, Departamento de Gobernación y Justicia, Jalapa.

YUCATÁN: Gobernador del Estado de Yucatán, Mérida.

NEW ZEALAND: General Assembly Library, Wellington.

PERU: Cámara de Diputados, Lima.

UNION OF SOUTH AFRICA:

CAPE OF GOOD HOPE: Library of Parliament, Cape Town.

TRANSVAAL: State Library, Pretoria.

URUGUAY: Diario Oficial, Calle Florida 1178, Montevideo.

VENEZUELA: Biblioteca del Congreso, Caracas.

FOREIGN EXCHANGE AGENCIES

The French Service of International Exchanges, located for many years at 110 Rue de Grenelle, Paris, is now under the direction of the National Library at 58 Rue de Richelieu.

There is given below a list of bureaus or agencies to which consignments are forwarded in boxes by freight when the Service is in full operation. To all countries not appearing in the list, packages are sent to their destinations by mail.

LIST OF AGENCIES

BELGIUM: Service Belge des Échanges Internationaux, Bibliothèque Royale de Belgique, Bruxelles.

CHINA: Bureau of International Exchange, Ministry of Education, Chungking.

CZECHOSLOVAKIA: Service des Échanges Internationaux, Bibliothèque de l'Assemblée Nationale, Prague 1-79.

DENMARK: Service Danois des Échanges Internationaux, Kongelige Danske Videnskabernes Selskab, Copenhagen V.

EGYPT: Government Press, Publications Office, Bulaq, Cairo.

FINLAND: Delegation of the Scientific Societies of Finland, Kasärngatan 24, Helsinki.

FRANCE: Service Français des Échanges Internationaux, Bibliothèque Nationale, 58 Rue de Richelieu, Paris.

GERMANY: Amerika-Institut, Universitätstrasse 8, Berlin, N. W. 7.

GREAT BRITAIN AND IRELAND: Wheldon & Wesley, 721 North Circular Road, Willesden, London, N. W. 2.

HUNGARY: Hungarian Libraries Board, Ferenciektere 5, Budapest, IV.

INDIA: Superintendent of Government Printing and Stationery, Bombay.

ITALY: Ufficio degli Scambi Internazionali, Ministero dell'Educazione Nazionale, Rome.

- JAPAN:** International Exchange Service, Imperial Library of Japan, Uyeno Park, Tokyo.
- LATVIA:** Service des Échanges Internationaux, Bibliothèque d'État de Lettonie, Riga.
- NETHERLANDS:** International Exchange Bureau of the Netherlands, Royal Library, The Hague.
- NEW SOUTH WALES:** Public Library of New South Wales, Sydney.
- NEW ZEALAND:** General Assembly Library, Wellington.
- NORWAY:** Service Norvégien des Échanges Internationaux, Bibliothèque de l'Université Royale, Oslo.
- PALESTINE:** Jewish National and University Library, Jerusalem.
- POLAND:** Service Polonais des Échanges Internationaux, Bibliothèque Nationale, Warsaw.
- PORTUGAL:** Secção de Trocas Internacionais, Biblioteca Nacional, Lisbon.
- QUEENSLAND:** Bureau of Exchanges of International Publications, Chief Secretary's Office, Brisbane.
- ROMANIA:** Ministère de la Propagande Nationale, Service des Échanges Internationaux, Bucharest.
- SOUTH AUSTRALIA:** South Australian Government Exchanges Bureau, Government Printing and Stationery Office, Adelaide.
- SPAIN:** Junta de Intercambio y Adquisición de Libros y Revistas para Bibliotecas Públicas, Ministerio de Educación Nacional, Avenida Calvo Sotelo 20, Madrid.
- SWEDEN:** Kungliga Biblioteket, Stockholm.
- SWITZERLAND:** Service Suisse des Échanges Internationaux, Bibliothèque Centrale Fédérale, Berne.
- TASMANIA:** Secretary to the Premier, Hobart.
- TURKEY:** Ministry of Education, Department of Printing and Engraving, Istanbul.
- UNION OF SOUTH AFRICA:** Government Printing and Stationery Office, Cape Town, Cape of Good Hope.
- UNION OF SOVIET SOCIALIST REPUBLICS:** International Book Exchange Department, Society for Cultural Relations with Foreign Countries, Moscow, 56.
- VICTORIA:** Public Library of Victoria, Melbourne.
- WESTERN AUSTRALIA:** Public Library of Western Australia, Perth.
- YUGOSLAVIA:** Section des Échanges Internationaux, Ministère des Affaires Étrangères, Belgrade.

Respectfully submitted.

H. W. DORSEY, *Acting Chief.*

Dr. A. WETMORE,
Secretary, Smithsonian Institution.

APPENDIX 7

REPORT ON THE NATIONAL ZOOLOGICAL PARK

SIR: I have the honor to submit the following report on the operations of the National Zoological Park for the fiscal year ended June 30, 1945:

The Congress appropriated \$334,651 for the operation of the Zoo for the fiscal year. Of this amount, \$296,277 was expended for all purposes, including \$35,562 for overtime pay of employees under the legislative provision that put overtime into effect this year. This leaves an unexpended balance of \$38,374 subject to minor corrections when a few outstanding bills are finally settled. The saving was largely on salaries because of the impossibility of filling vacant positions.

During the war the Zoo has been able to accomplish its primary duty of maintaining an exhibition collection of live animals, and to maintain it at as high a level as ever before in its history. Owing to shortage of manpower, certain phases of the care of the Park were necessarily neglected, and no special improvements were made. The personnel has been fully occupied in maintaining and keeping in order as far as possible the grounds and buildings. An attempt is being made at the present time to increase the staff to prewar numbers.

The United States Marshal's Office has continued to turn over to the Zoo quantities of food condemned for some reason as unfit for human consumption but satisfactory for consumption by certain animals. The managers of some of the larger vegetable stores continue to put aside trimmings for the Zoo, which gives certain of the animals a supply of fresh vegetables and reduces considerably the cost of maintenance.

The Zoo officials have cooperated as far as possible with the various Government agencies, including the War and Navy Departments, and continue to supply facilities for art and biology classes and to furnish information to the public.

NEEDS OF THE ZOO

The most immediate need of the Zoo is an increase of personnel. During the war more than 20 percent of all positions have been vacant. The actual care of the animals has not been neglected, but very little work has been possible in connection with the care and maintenance of the buildings and grounds. Prior to the war, when the personnel

had 1½ days off during the week, the Zoo was short-handed. Now that there is such an accumulation of work, this condition is much more noticeable, and when the 40-hour week goes into effect it will be even worse.

A large backlog of work exists in connection with the restoration of the Park buildings, fences, and other structures. Also, the Park has always been insufficiently policed. A force of 14 policemen is not large enough to patrol an area of 175 acres and to guard the Government buildings and property now in the Park.

The office building now in use is a historic structure built about 1805 but of which little is known prior to 1827. It was used as a residence from then until 1890, when it was taken over by the Park as an office. It is obsolete for an administration building. The fire hazard is considerable and our records and our library are not safe. The barn and garage adjacent to the office building is an ancient frame structure. Modernization of these two buildings would greatly facilitate the work of the office.

It is hoped that the Zoo may continue the building program that was interrupted by the war and replace with modern structures the old unsanitary monkey house, lion house, and antelope house.

VISITORS

There is an increase in the number of visitors, including schools and excursion parties, and it is expected that this increase will continue owing to greater interest in the Zoo and to easier transportation facilities.

A tabulation of cars parked in the Zoo during the fiscal year 1945 shows the following percentage of visitors by States:

	<i>Percent</i>		<i>Percent</i>
Washington, D. C.	36	North Carolina	1.3
Maryland	24.6	New Jersey	1.2
Virginia	16.1	California	1.15
Pennsylvania	3.3	Ohio	1.1
New York	2.3		

The cars that made up the remaining 12.95 percent came from every one of the remaining States, and from the following territories and countries: Canal Zone, Hawaii, Alberta, Ontario, Quebec, Cuba, Mexico.

NUMBER OF VISITORS

July	217,300	February	138,800
August	189,550	March	248,700
September	181,100	April	275,164
October	200,500	May	159,650
November	152,520	June	185,200
December	85,900		
January	72,700	Total	2,355,514

NUMBER OF GROUPS FROM SCHOOLS

	<i>Number of groups</i>	<i>Number in groups</i>
Washington, D. C.-----	45	1,904
Maryland-----	29	1,301
Virginia-----	27	884
Pennsylvania-----	1	20
North Carolina-----	1	18
Total-----	103	4,127

ACQUISITION OF SPECIMENS

A few animals are now coming into the market, and the Zoo has been able to add a number of interesting specimens. Chief among these are a collection of attractive West African monkeys and a few birds from South and Central America.

GIFTS

Many interesting specimens have been presented to the Zoo during the year. Among these were a pair of Solomon Islands cockatoos, a red-sided lory, a cardinal parrot, and a Pacific swamp hen presented by Maj. Gen. R. G. Breene, U. S. A.; and black-striped and pretty-faced wallabies from R. A. Bryant, Jr., of Coronado, Calif. Mrs. Erika Cook Bascom brought with her from the Gold Coast a pigmy galago and two green fruit pigeons, rare in captivity. From Señor don Alejandro Caballero Gamboa of San José, Costa Rica, came a collection of brilliant cage birds, sent through Luis Marden of the National Geographic Society, who also presented a trio of Costa Rican turtles.

James Landis, of the Foreign Economic Administration, was presented by the Government of Saudi Arabia with a pair of the rare and beautiful antelope, *Oryx beatrix*, which he sent to the Zoo.

George Ballou of Bethesda, Md., continued to donate various mammals and birds collected during his field work in the south.

DONORS AND THEIR GIFTS

Alderson, Wendell, Marshall Hall, Md., black widow spider.
 Allard, H. A., Arlington, Va., opossum.
 Andrews Field, Washington, D. C., white-tailed deer.
 Andrews, Maj. M. B., Arlington, Va., white-lipped tamarin.
 Ansel, Willits, Annapolis, Md., nine-banded armadillo.
 Anthony, Frank, Arlington, Va., Cooper's hawk.
 Ballou, George, Bethesda, Md., short-tailed shrew, two diamond-back rattlesnakes, two cottonmouth moccasins, six black snakes, cotton rat, mud snake, six garter snakes, two indigo snakes, two blue racer snakes, chicken snake, turkey vulture, five deer mice, meadow mouse.
 Bartsch, Paul, Washington, D. C., pilot black snake.
 Bascom, Mrs. Erika Cook, Washington, D. C., galago, two green fruit pigeons.
 Beasley, W. M., Washington, D. C., sparrow hawk.
 Bell, Mrs. E. H., Alexandria, Va., two Pekin ducks.

- Bell, J. R., Washington, D. C., three shaft-tailed finches, three spice finches, three canaries, five society finches, four zebra finches, strawberry finch, olive Cuban finch.
- Breene, Maj. Gen. R. G., U. S. A., cardinal parrot, South Pacific swamp hen, two Solomon Islands cockatoos, red-sided lory.
- Bresnahan, Polly, Peggy, and Tom, Washington, D. C., two Pekin ducks.
- Browning, Charles, Jackson Heights, N. Y., box turtle.
- Bryant, R. A., Jr., Coronado, Calif., three wallabies.
- Butts, Earl D., Alexandria, Va., long-tailed skunk.
- Case, Mrs. George W., Bethesda, Md., horned lizard.
- Chittick, Peter, McLean, Va., red bat, three fence lizards.
- Cochran, Doris M., Washington, D. C., 2 cascade frogs, 25 local minnows, wood turtle.
- Cole, James C., Washington, D. C., 72 goldfish.
- Colfield, L., Washington, D. C., six golden pheasants.
- Conner, Capt. T. E., U. S. A., hairy armadillo, grison.
- Constantinides, George, American Embassy, Lisbon, six chameleons.
- Cook, Robert, Washington, D. C., black snake.
- Davis, Watson, Washington, D. C., keeled green snake.
- Denley, Charles, Washington, D. C., blue-eared Manchurian pheasant.
- De Ybarrondo, Mrs. Mova, Washington, D. C., two Pekin ducks.
- Dickenson, Philip, Bethesda, Md., four tree toads, snapping turtle.
- Dixon, Mrs. Daniel, Washington, D. C., rabbit.
- Dowell, Mrs., Colmar Manor, Md., blue peafowl.
- Drain, D. R., Belvoir, Va., catbird.
- Drown, C. H., Berwyn, Md., red fox.
- Druid Hill Park Zoo, Baltimore, Md., two spiny-tailed lizards, bald eagle.
- Duffey, C. H., Red Lodge, Mont., three peach-faced love birds.
- Dunlap, Capt. S. B., Washington, D. C., two Muscovy ducks.
- Dutton, John B., Chevy Chase, Md., opossum and young.
- Elliot, Maj. W. E., Arlington, Va., black widow spider.
- Ennes, Richard, Washington, D. C., water snake.
- Etheridge, James H., Washington, D. C., two nine-banded armadillos.
- Ewin, Mrs. James L., Washington, D. C., Pekin duck.
- Fernandez, Mrs. Raymond, Washington, D. C., three Pekin ducks.
- Fish and Wildlife Service, Billings, Mont., hybrid Canada goose x blue goose.
- Fish and Wildlife Service, Brigham, Utah, eight green-winged teal.
- Fish and Wildlife Service, Washington, D. C., through Fred Orsinger, Aquarium, 3 golden orf, 5 carp, 50 yellow perch.
- Foster, C. W., Fairfax, Va., alligator.
- Frantz, Jean H., Bethesda, Md., two Pekin ducks.
- Frye, Mrs. Jack, Falls Church, Va., two skunks.
- Gamboa, Alejandro C., San José, Costa Rica, two Costa Rican chlorophonia, two blue-hooded euphonia, euphonia, blue honey creeper.
- Garrison, Mrs. W. B., Washington, D. C., yellow-headed parrot.
- Gatti, Stephen A., Washington, D. C., sparrow hawk.
- Gibson, Nolan, Washington, D. C., two barred owls.
- Gillmer, Lt. Commander L. C., Annapolis, Md., gray squirrel.
- Gude Bros. Co., Washington, D. C., alligator.
- Hamlet, John N., Fish and Wildlife Service, Washington, D. C., long-eared owl, turtle, raven, flag ground squirrel.
- Hardy, David, Catonsville, Md., copperhead snake.
- Hart, Mrs. J. F., Berryville, Va., turtle.

- Heard, W. A., Jr., Washington, D. C., two Texas ground squirrels.
 Hepburn, Charles, and Neal, William, Washington, D. C., smooth-scaled green snake.
 Hoeke, Mrs. W. L., Washington, D. C., four grass paroquets.
 Hume, Thomas L., Washington, D. C., three Pekin ducks.
 Hutchinson, Fred, Washington, D. C., blue racer snake.
 Irwin, Mickey, Bethesda, Md., Muscovy duck.
 James, C., Cedar Hill Bird Farm, Landover, Md., South American thrush.
 Jarvis, W. O., Washington, D. C., pigeon.
 Johnson, Mrs. Philander, Rockville, Md., mourning dove.
 Johnson, Robert, Washington, D. C., 4 frogs, salamander, 2 green snakes, banded water snake, garter snake, 12 green frogs, blue racer snake.
 Jorgensen, Lorraine, Washington, D. C., two Pekin ducks.
 Joslyn, Marc, Bethesda, Md., Pekin duck.
 Justice, Mr. (?), (address not recorded), double yellow-headed parrot.
 Kent, William and Wallace, Washington, D. C., two red-shouldered hawks.
 Krug, J. A., Washington, D. C., spider monkey.
 Kulick, M/Sgt. F. R., U. S. A., rhesus monkey.
 Kurfess, Ensign J. F., Washington, D. C., Florida banded water snake.
 Lanning, Mrs. John, Cottage City, Md., four barn owls.
 Lavengood, Mrs. T., Washington, D. C., double yellow-headed parrot.
 Lee, Richard H., Washington, D. C., five alligators.
 Lewis, Anna W., Washington, D. C., horned lizard.
 Lewis, Mrs. M. D., Chevy Chase, Md., three mallard ducks.
 Littlepage, Mrs. James H., Washington, D. C., garter snake.
 Locke, Otto Martin, New Braunfels, Tex., four nine-banded armadillos.
 Louis C. Herring & Co., Orlando, Fla., two African clawed frogs.
 Maiker, Mrs. R. W., Washington, D. C., Pekin duck.
 Mann, William M., Washington, D. C., mole.
 Marcow, Michael M., Washington, D. C., white alligator.
 Marden, Luis, San José, Costa Rica, three Costa Rican turtles.
 Mauer, James R., Linden, Md., four Pekin ducks.
 McDermott, Henry J., Takoma Park, Md., five canaries.
 McNish, John, Chevy Chase, Md., black snake.
 Meikle, Mrs. J. C., Washington, D. C., two Leclancher's buntings.
 Meyer, H. E., Miami, Fla., two green racer snakes, blue-tailed skink, anolis.
 Michael, L. S., Arlington, Va., black widow spider.
 Miller, Gerrit S., Washington, D. C., two box turtles.
 Miller, Luther, Chevy Chase, Md., three Pekin ducks.
 Mitchell, Mrs. John W., Silver Spring, Md., ring-necked snake.
 Naval Air Base, Washington, D. C., chain king snake.
 Neri, Joseph, Washington, D. C., four ring-necked doves.
 Ogu, Dr. William I., Washington, D. C., yellow-headed parrot.
 O'Rourke, Margaret A., Washington, D. C., Pekin duck.
 Patten, James, Washington, D. C., anolis, Cumberland turtle.
 Payne, Mr. and Mrs. J. M., Washington, D. C., two horned lizards.
 Petroskey, E., Washington, D. C., two angora rabbits.
 Poiley, Samuel, National Institute of Health, Washington, D. C., two rice rats.
 Powers, Lt. Arthur J., U. S. A., 6 pilot black snakes, 4 water snakes, 2 garter snakes, 3 hog-nosed snakes, 10 copperhead snakes, ring-necked snake, De Kay's snake, 20 water snakes.
 Quillitch, Robert, Arlington, Va., alligator.
 Racey, Mrs. E., Washington, D. C., nine flying squirrels.

Rayfield, Earl, Washington, D. C., sparrow hawk.
 Renwick, John M., Washington, D. C., raccoon.
 Richtmyer, Mrs. Nelson, Bethesda, Md., two mallard ducks.
 Robertson, Pat, Alexandria, Va., monkey-face owl.
 Rose, Arnold W., Leesburg, Fla., rattlesnake.
 Rose, Mrs. B., Washington, D. C., two grass paroquets.
 Royer, John, Bethesda, Md., mole snake.
 Ruppert, Raymond, Jr., Washington, D. C., eastern skunk.
 Ruthling, Paul, Santa Fe, N. Mex., 37 tiger salamanders.
 Sale, F. B., Washington, D. C., ring-necked dove.
 Saudi Arabia, Government of, through James Landis, Foreign Economic Administration, 2 Arabian oryx.
 Schad, Donald C., Baltimore, Md., cooter turtle.
 Schaefer, Frank J., Middleburg, Va., ocelot.
 Shaw, H. L., Baltimore, Md., two green guenons, ocelot, mona monkey, two rattlesnakes, civet, sooty mangabey, two-toed sloth, kinkajou, pig-tailed monkey, two coypus, eastern porcupine.
 Shelby, F., Hillside, Md., two bull snakes, water snake, garter snake.
 Sherwin, A. J., Washington, D. C., Pekin duck.
 Shipp, Ralph, Washington, D. C., black snake.
 Shosteck, Robert, Washington, D. C., three fence lizards, blue skink.
 Smith, Mrs. D. C., Washington, D. C., domestic mice.
 Smith, Virginia, Roanoke, Va., spiny-tailed iguana.
 Sparrough, Mrs. Ethel, Washington, D. C., Pekin duck.
 Spinks, Dr. and Mrs. William H., Washington, D. C., two cooter turtles.
 Stabler, Albert, Jr., Silver Spring, Md., long-tailed fowl, two red jungle fowl.
 Surridge, W. R., Washington, D. C., box turtle.
 Tallant, Montague, Manatee, Fla., coachwhip snake.
 Terbough, John, Arlington, Va., conch.
 Thomas, Chauncey S., Washington, D. C., sea turtle.
 Thompson, Bobby Jane, Brookmont, Md., mallard duck.
 Thompson, Roger L., Washington, D. C., alligator.
 Timmons, Mrs. B. N., Washington, D. C., white rabbit.
 Timmons, Manly B., Troy, S. C., pilot black snake, pilot snake, corn snake, hog-nosed snake.
 Trueblood, W., Andover, N. H., two wood turtles.
 Turner, H., Washington, D. C., hog-nosed snake.
 Upton, Elizabeth, Lanham, Md., cottontail rabbit.
 Valenzuela, Mrs. Rosario, Washington, D. C., western mockingbird.
 Wenley, J. J., Hyattsville, Md., great horned owl.
 Windsor, Mrs. C. C., Washington, D. C., opossum.
 Wilson, Mrs. T. W., Norfolk, Va., rhesus monkey.
 Winton, L., Washington, D. C., weasel.
 Wooten, Edgar A., Buckeye, Ariz., horned lizard.
 Worley, Leonard, Washington, D. C., opossum.
 Zoological Society of San Diego, Calif., seven boa constrictors.

BIRTHS

Notable among the births was a hybrid gibbon, *Hylobates agilis* × *Hylobates lar*. The mother discarded the baby after nursing it for a time, and from then on it was raised by hand. At the present time it is over 11 months old and one of the most popular attractions.

On March 4, 1945, there arrived the first giraffe to be born in the Zoo. This female is the offspring of a pair obtained in 1937 by the National Geographic Society-Smithsonian Institution Expedition. One of our two pairs of chinchillas, the first ever exhibited in the Zoo, gave birth to a litter of three young, and the other pair one young.

Added to our list of hybrids was a baby monkey, the mother a white-faced capuchin, the father probably a brown.

The births and hatchings are listed below:

MAMMALS		
Scientific name	Common name	Number
<i>Ammotragus lervia</i>	Aoudad.....	3
<i>Ateles vellerosus</i>	Mexican spider monkey.....	1
<i>Axis axis</i>	Axis deer.....	2
<i>Bibos gaurus</i>	Gaur.....	1
<i>Bison bison</i>	American bison.....	2
<i>Bos taurus</i>	British Park cattle.....	2
<i>Bos taurus</i>	West Highland cattle.....	1
<i>Cebus capucinus</i>	Capuchin monkey.....	1
<i>Chinchilla lanigera</i>	Chinchilla.....	4
<i>Choeropsis liberiensis</i>	Pigmy hippopotamus.....	1
<i>Dama dama</i>	Fallow deer.....	1
<i>Dama dama</i>	White fallow deer.....	2
<i>Dolichotus patagonicus</i>	Patagonian cavy.....	2
<i>Felis concolor</i>	Puma.....	2
<i>Felis pardus</i>	Black leopard.....	1
<i>Felis tigris</i>	Bengal tiger.....	6
<i>Giraffa camelopardalis</i>	Giraffe.....	2
<i>Hapale jacchus</i>	Marmoset.....	2
<i>Hippopotamus amphibius</i>	Hippopotamus.....	1
<i>Hylobates lar pileatus</i> × <i>Hylobates</i> <i>agilis</i>	Hybrid gibbon.....	1
<i>Lama glama</i>	Llama.....	2
<i>Lama pacos</i>	Alpaca.....	1
<i>Thylogale eugenii</i>	Dama wallaby.....	1
<i>Myocastor coypu</i>	Coypu.....	1
<i>Odocoileus virginianus</i>	Virginia deer.....	1
<i>Oncifelis geoffroyi</i>	Geoffroy's cat.....	2
<i>Ovis aries</i>	Woolless sheep.....	2
<i>Ovis europaeus</i>	Mouflon.....	1
<i>Poephagus grunniens</i>	Yak.....	2
<i>Pseudois nayaur</i>	Bharal or blue sheep.....	1
<i>Taurotragus oryx</i>	Eland.....	1
<i>Thalarcos maritimus</i> × <i>Ursus mid-</i> <i>dendorffi</i>	Hybrid bear.....	1
<i>Urocyon cinereoargenteus</i>	Gray fox.....	4
BIRDS		
<i>Chenopsis atrata</i>	Black swan.....	1
<i>Fulica americana</i>	American coot.....	2
<i>Larus novaehollandiae</i>	Silver gull.....	5
<i>Taeniopygia castanotis</i>	Zebra finch.....	11
<i>Turtur risorius</i>	Ring-necked dove.....	2

Statement of accessions

How acquired	Mam- mals	Birds	Reptiles	Amphib- ians	Fish	Inverte- brates	Total
Presented.....	76	143	162	62	155	4	602
Born or hatched.....	58	21				100	179
Received in exchange.....	8	4	30				42
Purchased.....	18	48	65	6	56		193
Deposited.....	18	2	6				26
Total.....	178	218	263	68	211	104	1,042

Summary

Animals on hand July 1, 1944..... 2,435

Accessions during the year..... 1,042

Total number of animals in collection during the year..... 3,477

Removals for various reasons such as death or exchanges..... 854

In collection on June 30, 1945..... 2,623

Status of collection

Class	Species	Individuals	Class	Species	Individuals
Mammals.....	209	677	Insects.....	1	100
Birds.....	322	909	Arachnids.....	1	2
Reptiles.....	105	447	Total.....	686	2,623
Amphibians.....	21	120			
Fish.....	27	368			

A list of the animals in the collection follows:

ANIMALS IN THE NATIONAL ZOOLOGICAL PARK, JUNE 30, 1945

MAMMALS

MARSUPIALIA

Didelphiidae:

Didelphis virginiana..... Opossum..... 3

Phalangeridae:

Petaurus breviceps..... Lesser flying phalanger..... 2

Petaurus norfolcensis..... Australian flying phalanger..... 2

Macropodidae:

Dendrolagus inustus..... New Guinea tree kangaroo..... 2

Dendrolagus inustus finschi..... Finsche's tree kangaroo..... 3

Macropus major..... Great gray kangaroo..... 1

Thylogale eugenii..... Dama wallaby..... 3

Wallabia dorsalis..... Black-striped wallaby..... 1

Phascolomyidae:

Vombatus ursinus..... Flinders Island wombat..... 1

INSECTIVORA

Soricidae:

Blarina brevicauda..... Short-tailed shrew..... 1

Scalopus aquaticus..... Mole..... 1

CARNIVORA

Felidae:

<i>Acinonyx jubatus</i>	Cheetah.....	1
<i>Felis aurata</i>	Golden cat.....	3
<i>Felis chaus</i>	Jungle cat.....	1
<i>Felis concolor</i>	Puma.....	7
<i>Felis concolor patagonica</i>	Patagonian puma.....	1
<i>Felis concolor</i> × <i>Felis concolor</i> <i>patagonica</i>	North American × South American puma.....	4
<i>Felis leo</i>	Lion.....	6
<i>Felis onca</i>	{ Jaguar.....	4
	{ Black jaguar.....	2
<i>Felis pardalis</i>	Ocelot.....	3
<i>Felis pardus</i>	{ Indian leopard.....	3
	{ Black Indian leopard.....	2
<i>Felis tigris</i>	Bengal tiger.....	3
<i>Felis tigris longipilis</i>	Siberian tiger.....	1
<i>Felis tigris sumatrae</i>	Sumatran tiger.....	4
<i>Lynx rufus</i>	Bay lynx.....	2
<i>Lynx uinta</i>	Bob cat.....	1
<i>Neofelis nebulosa</i>	Clouded leopard.....	1
<i>Oncifelis geoffroyi</i>	Geoffroy's cat.....	3
<i>Oncilla pardinoides</i>	Lesser tiger cat.....	1

Viverridae:

<i>Arctictis binturong</i>	Binturong.....	2
<i>Civettictis civetta</i>	African civet.....	1
<i>Myonax sanguineus</i>	Dwarf civet.....	1
<i>Paradoxurus hermaphroditus</i>	Small-toothed palm civet.....	1

Hyaenidae:

<i>Crocota crocuta germinans</i>	East African spotted hyena.....	1
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Canidae:

<i>Canis latrans</i>	Coyote.....	1
<i>Canis latrans</i> × <i>familiaris</i>	Coyote and dog hybrid.....	1
<i>Canis lupis nubilus</i>	Plains wolf.....	2
<i>Canis niger rufus</i>	Texas red wolf.....	3
<i>Cuon javanicus sumatrensis</i>	Sumatran wild dog.....	1
<i>Dusicyon culpaeus</i>	South American fox.....	1
<i>Dusicyon (Cerdocyon) thous</i>	South American fox.....	1
<i>Nyctereutes procyonoides</i>	Raccoon dog.....	2
<i>Urocyon cinereoargenteus</i>	Gray fox.....	8
<i>Vulpes fulva</i>	Red fox.....	10

Procyonidae:

<i>Nasua narica</i>	Coatimundi.....	12
<i>Nasua nelsoni</i>	Nelson's coatimundi.....	1
<i>Potos flavus</i>	Kinkajou.....	8
<i>Procyon lotor</i>	{ Raccoon.....	5
	{ Black raccoon.....	7
	{ Raccoon (albino).....	1

Bassariscidae:

<i>Bassariscus astutus</i>	Ring-tail or cacomistle.....	2
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Mustelidae:

<i>Grison</i> sp.....	Grison.....	1
<i>Grisonella huronax</i>	Grison.....	2
<i>Lutra canadensis vaga</i>	Florida otter.....	1
<i>Lutra (Micraonyx) cinerea</i>	Small-clawed otter.....	1
<i>Martes (Lamprogale) flavigula henrici</i>	Asiatic marten.....	1
<i>Meles meles leptorhynchus</i>	Chinese badger.....	1
<i>Mellivora capensis</i>	Ratel.....	1
<i>Mephitis mephitis nigra</i>	Skunk.....	8
<i>Mustela eversmanni</i>	Ferret.....	2
<i>Mustela frenata noveboracensis</i>	Weasel.....	2
<i>Tayra barbara barbara</i>	White tayra.....	2
<i>Tayra barbara senilis</i>	Gray-headed tayra.....	1

Ursidae:

<i>Euarctos americanus</i>	Black bear.....	4
<i>Euarctos thibetanus</i>	Himalayan bear.....	1
<i>Helarctos malayanus</i>	Malay or sun bear.....	1
<i>Melursus ursinus</i>	Sloth bear.....	1
<i>Thalarctos maritimus</i>	Polar bear.....	3
<i>Thalarctos maritimus</i> × <i>Ursus middendorffi</i>	Hybrid bear.....	4
<i>Tremarctos ornatus</i>	Spectacled bear.....	1
<i>Ursus arctos</i>	European brown bear.....	1
<i>Ursus arctos meridionalis</i>	Caucasus brown bear.....	1
<i>Ursus gyas</i>	Alaska Peninsula bear.....	3
<i>Ursus middendorffi</i>	Kodiak bear.....	3
<i>Ursus sitkensis</i>	Sitka brown bear.....	3

PINNIPEDIA

Otariidae:

<i>Zalophus californianus</i>	Sea lion.....	2
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Phocidae:

<i>Phoca vitulina richardii</i>	Pacific harbor seal.....	2
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PRIMATES

Lemuridae:

<i>Lemur mongoz</i>	Mongoose lemur.....	2
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Callitrichidae:

<i>Callithrix jacchus</i>	White-tufted marmoset.....	5
<i>Callithrix penicillata</i>	Black-tufted marmoset.....	2
<i>Leontocebus rosalia</i>	Lion-headed or golden marmoset.....	1

Saimiridae:

<i>Saimiri sciureus</i>	Titi or squirrel monkey.....	1
<i>Saimiri</i> sp.....	Titi or squirrel monkey.....	1

Cebidae:

<i>Alouatta palliata mexicanus</i>	Howling monkey.....	1
<i>Aotus trivirgatus</i>	Douroucoul or owl monkey.....	5
<i>Ateles geoffroyi vellerosus</i>	Spider monkey.....	9
<i>Cebus apella</i>	Gray capuchin.....	2
<i>Cebus capucinus</i>	White-throated capuchin.....	2
<i>Cebus jatuellus</i>	Weeping capuchin.....	4
<i>Lagothrix lagotricha</i>	Woolly monkey.....	1

Cercopithecidae:

<i>Cercocebus torquatus atys</i>	Sooty mangabey.....	2
<i>Cercopithecus aethiops pygerythrus</i>	Vervet guenon.....	1
<i>Cercopithecus aethiops sabaeus</i>	Green guenon.....	6
<i>Cercopithecus cephus</i>	Moustached guenon.....	1
<i>Cercopithecus diana</i>	Diana monkey.....	3
<i>Cercopithecus diana roloway</i>	Roloway monkey.....	1
<i>Cercopithecus neglectus</i>	De Brazza's guenon.....	2
<i>Cercopithecus nictitans petaurista</i>	Lesser white-nosed guenon.....	3
<i>Cercopithecus sp</i>	West African guenon.....	1
<i>Gymnopyga maurus</i>	Moor monkey.....	1
<i>Macaca fuscata</i>	Japanese monkey.....	2
<i>Macaca irus mordax</i>	Javan macaque.....	5
<i>Macaca mulatta</i>	Rhesus monkey.....	9
<i>Macaca nemestrina</i>	Pig-tailed monkey.....	2
<i>Macaca philippinensis</i>	Philippine macaque.....	1
<i>Macaca sinica</i>	Toque or bonnet monkey.....	1
<i>Macaca speciosa</i>	Red-faced macaque.....	1
<i>Mandrillus sphinx</i>	Mandrill.....	1
<i>Papio comatus</i>	Chacma.....	1

Hylobatidae:

<i>Hylobates agilis</i>	Sumatran gibbon.....	1
<i>Hylobates agilis</i> × <i>Hylobates lar</i> <i>pileatus</i>	Hybrid gibbon.....	1
<i>Hylobates hoolock</i>	Hoolock gibbon.....	1
<i>Hylobates lar pileatus</i>	Black-capped gibbon.....	1
<i>Symphalangus syndactylus</i>	Siamang gibbon.....	1

Pongidae:

<i>Pan troglodytes</i>	Chimpanzee.....	2
<i>Pan troglodytes verus</i>	West African chimpanzee.....	3
<i>Pongo pygmaeus</i>	Bornean orangutan.....	2
<i>Pongo pygmaeus abelii</i>	Sumatran orangutan.....	1

RODENTIA

Sciuridae:

<i>Callosciurus finlaysoni</i>	Lesser white squirrel.....	2
<i>Citellus tridecemlineatus</i>	13-lined ground squirrel.....	1
<i>Cynomys ludovicianus</i>	Plains prairie dog.....	75
<i>Glaucomys volans</i>	Flying squirrel.....	14
<i>Marmota monax</i>	Woodchuck or ground hog.....	2
<i>Sciurus aberti</i>	Abert's squirrel.....	2
<i>Tamias striatus</i>	Eastern chipmunk.....	1

Heteromyidae:

<i>Dipodomys ordii</i>	Ord kangaroo rat.....	3
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Cricetidae:

<i>Mesocricetus auratus</i>	Golden hamster.....	13
<i>Microtus pennsylvanicus</i>	Meadow mouse.....	1
<i>Neotoma floridana attwateri</i>	Round-tailed wood rat.....	6
<i>Oryzomys palustris</i>	Rice rat.....	2
<i>Peromyscus crinitus auripectus</i>	Golden-breasted mouse.....	1
<i>Peromyscus leucopus</i>	White-footed or deer mouse.....	1
<i>Sigmodon hispidus</i>	Cotton rat.....	4

Muridae:

<i>Mus musculus</i>	White and other domestic mice.....	8
<i>Rattus norvegicus</i>	White and pied colored rats.....	1

Hystricidae:

<i>Acanthion brachyurum</i>	Malay porcupine.....	3
<i>Atherurus africanus</i>	West African brush-tailed porcupine.....	2
<i>Hystrix galeata</i>	African porcupine.....	1
<i>Thecurus crassispinis sumatrae</i>	Thick-spined porcupine.....	1

Myocastoridae:

<i>Myocastor coypus</i>	Coypu.....	14
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Cuniculidae:

<i>Cuniculus paca virgatus</i>	Central American paca.....	1
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Dasyproctidae:

<i>Dasyprocta croconota prymnolopha</i>	Agouti.....	2
<i>Dasyprocta punctata</i>	Speckled agouti.....	5

Chinchillidae:

<i>Chinchilla chinchilla</i>	Chinchilla.....	6
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Caviidae:

<i>Cavia porcellus</i>	Guinea pig.....	10
<i>Dolichotis patagona</i>	Patagonian cavy.....	1

LAGOMORPHA

Leporidae:

<i>Oryctolagus cuniculus</i>	Domestic rabbits.....	15
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ARTIODACTYLA

Bovidae:

<i>Ammotragus lervia</i>	Aoudad.....	10
<i>Anoa depressicornis</i>	Anoa.....	1
<i>Anoa quarleisi-fergusoni</i>	Mountain anoa.....	1
<i>Bibos gaurus</i>	Gaur.....	4
<i>Bison bison</i>	{ American bison.....	13
	{ Albino bison.....	1
<i>Bos indicus</i>	Zebu.....	4
<i>Bos taurus</i>	Texas longhorn steer.....	1
<i>Bos taurus</i>	West Highland or Kyloe cattle.....	3
<i>Bos taurus</i>	British Park cattle.....	4
<i>Capra sibirica</i>	Ibex.....	1
<i>Cephalophus maxwellii</i>	Maxwell's duiker.....	1
<i>Cephalophus niger</i>	Black duiker.....	1
<i>Cephalophus nigrifrons</i>	Black-fronted duiker.....	2
<i>Hemitragus jemlahicus</i>	Tahr.....	6
<i>Oreotragus oreotragus</i>	South African klipspringer.....	1
<i>Oryx beatrix</i>	Arabian oryx.....	2
<i>Oryx beisa annectens</i>	Ibean beisa oryx.....	2
<i>Ovis aries</i>	Woolless or Barbadoes sheep.....	2
<i>Ovis europaeas</i>	Mouflon.....	3
<i>Poephagus grunniens</i>	Yak.....	6
<i>Pseudois nayaur</i>	Bharal or blue sheep.....	2
<i>Syncerus caffer</i>	African buffalo.....	2
<i>Taurotragus oryx</i>	Eland.....	3

Cervidae:

<i>Axis axis</i>	Axis deer.....	6
<i>Cervus canadensis</i>	American elk.....	5
<i>Cervus elaphus</i>	Red deer.....	6
<i>Dama dama</i>	{ Fallow deer.....	11
	{ White fallow deer.....	13
<i>Muntiacus reevesi</i>	Rib-faced or barking deer.....	1
<i>Odocoileus virginianus</i>	Virginia deer.....	4
<i>Sika manchuricum</i>	Dybowsky deer.....	3
<i>Sika nippon</i>	Japanese deer.....	3

Giraffidae:

<i>Giraffa camelopardalis</i>	Nubian giraffe.....	5
<i>Giraffa reticulata</i>	Reticulated giraffe.....	1

Camelidae:

<i>Camelus bactrianus</i>	Bactrian camel.....	3
<i>Camelus dromedarius</i>	Single-humped camel.....	1
<i>Lama glama</i>	Llama.....	5
<i>Lama glama guanico</i>	Guanaco.....	2
<i>Lama pacos</i>	Alpaca.....	2
<i>Vicugna vicugna</i>	Vicuna.....	2

Tayassuidae:

<i>Pecari angulatus</i>	Collared peccary.....	1
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Suidae:

<i>Babirusa babyrussa</i>	Babirusa.....	2
<i>Phacochoerus aethiopicus aeliani</i>	East African wart hog.....	3

Hippopotamidae:

<i>Choeropsis liberiensis</i>	Pigmy hippopotamus.....	6
<i>Hippopotamus amphibius</i>	Hippopotamus.....	2

PERISSODACTYLA

Equidae:

<i>Equus burchellii antiquorum</i>	Chapman's zebra.....	2
<i>Equus grevyi</i>	Grevy's zebra.....	1
<i>Equus grevyi</i> × <i>asinus</i>	Zebra-ass hybrid.....	1
<i>Equus grevyi</i> × <i>caballus</i>	Zebra-horse hybrid.....	1
<i>Equus kiang</i>	Asiatic wild ass or kiang.....	1
<i>Equus onager</i>	Onager.....	1
<i>Equus przewalskii</i>	Mongolian wild horse.....	3
<i>Equus zebra</i>	Mountain zebra.....	1

Tapiridae:

<i>Acrocodia indica</i>	Asiatic tapir.....	2
<i>Tapirus terrestris</i>	South American tapir.....	1

Rhinocerotidae:

<i>Rhinoceros unicornis</i>	Great Indian one-horned rhinoceros.....	1
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PROBOSCIDAE

Elephantidae:

<i>Elephas maximum sumatranus</i>	Sumatran elephant.....	1
<i>Loxodonta africana oxyotis</i>	African elephant.....	1

EDENTATA

Choloepodidae:

<i>Choloepus didactylus</i>	Two-toed sloth.....	1
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Dasypodidae:

<i>Chaetophractus villosus</i>	Hairy armadillo.....	2
<i>Euphractus sexcinctus</i>	Six-banded armadillo.....	1

BIRDS

CASUARIIFORMES

Casuariidae:

<i>Casuarus bennetti papuanus</i>	Papuan cassowary.....	1
<i>Casuarus casuarus aruensis</i>	Aru cassowary.....	1
<i>Casuarus uniappendiculatus occi-</i> <i>pitalis</i>	Island cassowary.....	1
<i>Casuarus uniappendiculatus uni-</i> <i>appendiculatus</i>	One-wattled cassowary.....	1

Rheidae:

<i>Rhea americana</i>	Common rhea.....	2
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Dromiceidae:

<i>Dromiceus novaehollandiae</i>	Common emu.....	2
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SPHENISCIFORMES

Spheniscidae:

<i>Aptenodytes forsteri</i>	Emperor penguin.....	3
<i>Spheniscus demersus</i>	Jackass penguin.....	4
<i>Spheniscus humboldti</i>	Humboldt penguin.....	2

TINAMIFORMES

Tinamidae:

<i>Eudromia elegans</i>	Crested tinamou or martineta.....	1
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PELECANIFORMES

Pelecanidae:

<i>Pelecanus conspicillatus</i>	Australian pelican.....	2
<i>Pelecanus erythrorhynchus</i>	White pelican.....	5
<i>Pelecanus occidentalis</i>	Brown pelican.....	5
<i>Pelecanus onocrotalus</i>	European pelican.....	2

Phalacrocoracidae:

<i>Phalacrocorax auritus albociliatus</i> ...	Farallon cormorant.....	1
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Fregatidae:

<i>Fregata ariel</i>	Lesser frigate bird.....	1
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CICONIIFORMES

Ardeidae:

<i>Ardea herodias</i>	Great blue heron.....	2
<i>Ardea occidentalis</i>	Great white heron.....	1
<i>Egretta thula</i>	Snowy egret.....	6
<i>Florida caerulea</i>	Little blue heron.....	1
<i>Hydranassa tricolor ruficollis</i>	Louisiana heron.....	2
<i>Notophox novaehollandiae</i>	White-faced heron.....	1
<i>Nycticorax nycticorax naevius</i>	Black-crowned night heron.....	24

Cochleariidae:

<i>Cochlearius cochlearius</i>	Boatbill heron.....	1
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Ciconiidae:

<i>Dissoura episcopus</i>	Woolly-necked stork.....	1
<i>Ibis cinereus</i>	Malay stork.....	2
<i>Leptoptilus crumeniferus</i>	Marabou.....	1
<i>Leptoptilus dubius</i>	Indian adjutant.....	1
<i>Leptoptilus javanicus</i>	Lesser adjutant.....	2
<i>Mycteria americana</i>	Wood ibis.....	1

Threskiornithidae:

<i>Ajaia ajaia</i>	Spoonbill.....	5
<i>Guara alba</i>	White ibis.....	8
<i>Guara alba</i> × <i>G. rubra</i>	Hybrid white and scarlet ibis.....	1
<i>Guara rubra</i>	Scarlet ibis.....	1
<i>Threskiornis aethiopica</i>	Sacred ibis.....	1
<i>Threskiornis melanocephala</i>	Black-headed ibis.....	4
<i>Threskiornis spinicollis</i>	Straw-necked ibis.....	2

Phoenicopteridae:

<i>Phoenicopterus chilensis</i>	Chilean flamingo.....	2
<i>Phoenicopterus ruber</i>	Cuban flamingo.....	3

ANSERIFORMES

Anhimidae:

<i>Chauna cristata</i>	Crested screamer.....	7
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Anatidae:

<i>Aix sponsa</i>	Wood duck.....	4
<i>Anas brasiliensis</i>	Brazilian teal.....	2
<i>Anas domestica</i>	Pekin duck.....	20
<i>Anas platyrhynchos</i>	Mallard duck.....	56
<i>Anas rubripes</i>	Black duck.....	7
<i>Anser albifrons</i>	American white-fronted goose.....	1
<i>Anser cinereus domestica</i>	Toulouse goose.....	3
<i>Anseranus semipalmata</i>	Australian pied goose.....	2
<i>Branta canadensis</i>	Canada goose.....	35
<i>Branta canadensis hutchinsii</i>	Hutchin's goose.....	4
<i>Branta canadensis minima</i>	Cackling goose.....	8
<i>Branta canadensis occidentalis</i>	White-cheeked goose.....	27
<i>Branta canadensis</i> × <i>Chen caerulescens</i>	Hybrid Canada goose × blue goose.....	2
<i>Cairina moschata</i>	Muscovy duck.....	13
<i>Casarca variegata</i>	Paradise duck.....	1
<i>Cereopsis novaehollandiae</i>	Cape Barren goose.....	1
<i>Chen atlantica</i>	Snow goose.....	2
<i>Chen caerulescens</i>	Blue goose.....	2
<i>Chenopsis atrata</i>	Black swan.....	4
<i>Chloephaga leucoptera</i>	Magellan goose.....	2
<i>Cygnopsis cygnoides</i>	Domestic goose.....	2
<i>Cygnus columbianus</i>	Whistling swan.....	2
<i>Cygnus melancoriphus</i>	Black-necked swan.....	1
<i>Cygnus olor</i>	Mute swan.....	5
<i>Dafila acuta</i>	Pintail.....	8
<i>Dafila spinicauda</i>	Chilean pintail.....	1
<i>Dendrocygna arborea</i>	Black-billed tree duck.....	3
<i>Dendrocygna autumnalis</i>	Black-bellied tree duck.....	2
<i>Dendrocygna viduata</i>	White-faced tree duck.....	4

Anatidae—Continued.

<i>Dendronessa galericulata</i>	Mandarin duck.....	4
<i>Mareca americana</i>	Baldpate.....	1
<i>Marila affinis</i>	Lesser scaup.....	1
<i>Marila collaris</i>	Ring-necked duck.....	1
<i>Nettion carolinense</i>	Green-winged teal.....	1
<i>Nettion formosum</i>	Baikal teal.....	5
<i>Nyroca</i> sp.....	Hybrid duck.....	1
<i>Nyroca valisineria</i>	Canvasback duck.....	1
<i>Philacte canagica</i>	Emperor goose.....	3
<i>Querquedula discors</i>	Blue-winged teal.....	8

FALCONIFORMES

Cathartidae:

<i>Cathartes aura</i>	Turkey vulture.....	1
<i>Coragyps atratus</i>	Black vulture.....	1
<i>Gymnogyps californianus</i>	California condor.....	1
<i>Vultur gryphus</i>	Andean condor.....	1

Accipitridae:

<i>Buteo borealis</i>	Red-tailed hawk.....	6
<i>Buteo lineatus elegans</i>	Southern red-shouldered hawk.....	1
<i>Buteo lineatus lineatus</i>	Red-shouldered hawk.....	4
<i>Buteo melanoleucus</i>	South American buzzard eagle.....	2
<i>Buteo platypterus</i>	Broad-winged hawk.....	1
<i>Buteo poecilochrous</i>	Red-backed buzzard.....	1
<i>Gypohierax angolensis</i>	Fish-eating vulture.....	1
<i>Gyps rueppelli</i>	Ruppell's vulture.....	1
<i>Haliaeetus leucocephalus</i>	Bald eagle.....	6
<i>Haliaeetus indus</i>	Brahminy kite.....	5
<i>Harpia harpya</i>	Harpy eagle.....	2
<i>Hypomorphnus urubitinga</i>	Brazilian eagle.....	1
<i>Milvago chimango</i>	Chimango.....	3
<i>Milvus migrans parasitus</i>	African yellow-billed kite.....	2
<i>Pandion haliaetus carolinensis</i>	Osprey or fish hawk.....	1
<i>Parabuteo unicinctus</i>	One-banded hawk.....	1
<i>Torgos tracheliotus</i>	African eared vulture.....	1

Falconidae:

<i>Cerchneis sparverius</i>	Sparrow hawk.....	5
<i>Daptrius americanus</i>	Red-throated caracara.....	3
<i>Falco peregrinus anatum</i>	Duck hawk.....	1
<i>Polyborus plancus</i>	South American caracara.....	1

GALLIFORMES

Cracidae:

<i>Crax fasciolata</i>	Crested curassow.....	1
<i>Crax rubra</i>	Panama curassow.....	1
<i>Crax sclateri</i>	Sclater's curassow.....	1
<i>Mitu mitu</i>	Razor-billed curassow.....	1

Phasianidae:

<i>Argusianus argus</i>	Argus pheasant.....	2
<i>Callipepla squamata</i>	Scaled quail.....	7
<i>Catreus wallichii</i>	Cheer pheasant.....	2
<i>Chrysolophus amherstiae</i>	Lady Amherst's pheasant.....	1
<i>Chrysolophus pictus</i>	Golden pheasant.....	5
<i>Colinus cristatus</i>	Crested quail.....	2
<i>Colinus ridgwayi</i>	Masked quail.....	2
<i>Colinus virginianus</i>	Bobwhite.....	2
<i>Crossoptilon auritum</i>	Blue-eared pheasant.....	1
<i>Gallus gallus</i>	Red jungle fowl.....	2
<i>Gallus gallus</i>	Hybrid red jungle fowl \times bantam fowl.....	4
<i>Gallus lafayetti</i>	Ceylonese jungle fowl.....	1
<i>Gallus sp</i>	Bantam chicken.....	1
<i>Gallus sp</i>	Fighting fowl.....	1
<i>Gallus sp</i>	Long-tailed fowl.....	2
<i>Gennaeus albocristatus</i>	White-crested kaleege.....	2
<i>Gennaeus nychemerus</i>	Silver pheasant.....	5
<i>Hierophasis swinhoii</i>	Swinhoe's pheasant.....	2
<i>Lophophorus impeyanus</i>	Himalayan impeyan pheasant.....	1
<i>Lophortyx californica vallicola</i>	Valley quail.....	2
<i>Lophortyx gambelli</i>	Gambel's quail.....	2
<i>Pavo cristatus</i>	Peafowl.....	5
<i>Phasianus torquatus</i>	{ Ring-necked pheasant.....	6
	{ White ring-necked pheasant.....	1
<i>Phasianus versicolor</i>	Green Japanese pheasant.....	1
<i>Polyplectron napoleonis</i>	Palawan peacock pheasant.....	1
<i>Syrnaticus reevesi</i>	Reeve's pheasant.....	1

Numididae:

<i>Acryllium vulturinum</i>	Vulturine guinea fowl.....	1
<i>Numida sp</i>	Guinea fowl.....	2

GRUIFORMES

Rhinocetidae:

<i>Rhinocetos jubatus</i>	Kagu.....	1
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Gruidae:

<i>Anthropoides paradisea</i>	Stanley or paradise crane.....	1
<i>Anthropoides virgo</i>	Demoiselle crane.....	2
<i>Baelearica pavonina</i>	West African crowned crane.....	2
<i>Baelearica regulorum gibbericeps</i>	East African crowned crane.....	1
<i>Grus leucauchen</i>	White-naped crane.....	1
<i>Grus leucogeranus</i>	Siberian crane.....	2

Rallidae:

<i>Amaurornis phoenicurus</i>	White-breasted rail.....	2
<i>Fulica americana</i>	American coot.....	6
<i>Gallinula chloropus cachinnans</i>	Florida gallinule.....	3
<i>Gallinula chloropus orientalis</i>	Sumatran gallinule.....	1
<i>Limnecorax flavirostra</i>	African black rail.....	3
<i>Porphyrio poliocephalus</i>	Gray-headed porphyrio.....	1

Cariamidae:

<i>Cariama cristata</i>	<i>Cariama</i> or <i>seriama</i>	2
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CHARADRIIFORMES

Haematopodidae:

<i>Haematopus ostralegus</i>	European oyster catcher.....	1
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Charadriidae:

<i>Belanopterus chilensis</i>	Chilean lapwing.....	1
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Laridae:

<i>Larus argentatus</i>	Herring gull.....	1
<i>Larus delawarensis</i>	Ring-billed gull.....	1
<i>Larus dominicanus</i>	Kelp gull.....	2
<i>Larus glaucescens</i>	Glaucous-winged gull.....	1
<i>Larus novaehollandiae</i>	Silver gull.....	8

Glariolidae:

<i>Glareola pratincola</i>	Collared pratincole.....	1
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COLUMBIFORMES

Columbidae:

<i>Columba guinea</i>	Triangular spotted pigeon.....	1
<i>Columba livia</i>	Domestic pigeon.....	7
<i>Columba maculosa</i>	Spot-winged pigeon.....	1
<i>Ducula aenea</i>	Green imperial pigeon.....	1
<i>Gallicolumba luzonica</i>	Bleeding-heart dove.....	2
<i>Goura cristata</i>	Selater's crowned pigeon.....	1
<i>Goura victoria</i>	Victoria crowned pigeon.....	1
<i>Leptotila cassini</i>	Cassin's dove.....	1
<i>Leptotila rufaxilla</i>	Scaled pigeon.....	1
<i>Muscadivores paulina</i>	Celebian imperial pigeon.....	1
<i>Streptopelia chinensis</i>	Asiatic collared dove.....	2
<i>Streptopelia chinensis ceylonensis</i>	Lace-necked or ash dove.....	3
<i>Streptopelia tranquebarica</i>	Blue-headed ring dove.....	2
<i>Treron calva</i>	West African fruit pigeon.....	2
<i>Turtur risorius</i>	Ring-necked dove.....	19
<i>Zenaida auriculata</i>	South American mourning dove.....	5
<i>Zenaidura macroura</i>	Mourning dove.....	12

PSITTACIFORMES

Psittacidae:

<i>Agapornis pullaria</i>	Red-faced love bird.....	4
<i>Amazona aestiva</i>	Blue-fronted parrot.....	1
<i>Amazona albifrons</i>	White-fronted parrot.....	1
<i>Amazona auropalliata</i>	Yellow-naped parrot.....	3
<i>Amazona ochrocephala</i>	Yellow-headed parrot.....	3
<i>Amazona oratrix</i>	Double yellow-headed parrot.....	2
<i>Anodorhynchus hyacinthinus</i>	Hyacinthine macaw.....	1
<i>Ara ararauna</i>	Yellow and blue macaw.....	2
<i>Ara macao</i>	Red, blue, and yellow macaw.....	2
<i>Ara militaria</i>	Mexican green macaw.....	1
<i>Aratinga euops</i>	Cuban conure.....	1
<i>Calyptorhynchus magnificus</i>	Banksian cockatoo.....	1
<i>Coracopsis nigra</i>	Lesser vasa parrot.....	1

Psittacidae—Continued.

<i>Cyanopsittacus spixi</i>	Spix's macaw.....	1
<i>Ducorpsis sanguineus</i>	Bare-eyed cockatoo.....	1
<i>Eclectus pectoralis</i>	Eclectus parrot.....	1
<i>Eolophus roseicapillus</i>	Roseate cockatoo.....	3
<i>Kakatoe alba</i>	White cockatoo.....	2
<i>Kakatoe ducrops</i>	Solomon Islands cockatoo.....	2
<i>Kakatoe galerita</i>	Large sulphur-crested cockatoo.....	2
<i>Kakatoe leadbeateri</i>	Leadbeater's cockatoo.....	1
<i>Kakatoe moluccensis</i>	Great red-crested cockatoo.....	1
<i>Kakatoe sulphurea</i>	Lesser sulphur-crested cockatoo.....	2
<i>Lorius domicella</i>	Rajah lory.....	2
<i>Lorius garrulus</i>	Red lory.....	1
<i>Lorius roratus</i>	Red-sided lory.....	1
<i>Melopsittacus undulatus</i>	Grass paraquet.....	5
<i>Myopsitta monachus</i>	Quaker paroquet.....	1
<i>Nandayus nanday</i>	Nanday paroquet.....	1
<i>Nestor notabilis</i>	Kea.....	1
<i>Pionites xanthomera</i>	Amazonian caique.....	2
<i>Psittacula eupatria</i>	Red-shouldered paroquet.....	3
<i>Psittacula krameri</i>	Kramer's paroquet.....	2
<i>Psittacula longicauda</i>	Long-tailed paroquet.....	2
<i>Tanygnathus muelleri</i>	Mueller's parrot.....	1

CUCULIFORMES

Cuculidae:

<i>Eudynamis scolopaceus</i>	Koel.....	1
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Musophagidae:

<i>Turacus livingstoni</i>	Livingston's turacou.....	1
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STRIGIFORMES

Tytonidae:

<i>Tyto alba pratincola</i>	Barn owl.....	7
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Strigidae:

<i>Bubo virginianus</i>	Great horned owl.....	10
<i>Ketupa ketupu</i>	Malay fish owl.....	1
<i>Nyctea nyctea</i>	Snowy owl.....	1
<i>Otus asio</i>	Screech owl.....	2
<i>Strix varia varia</i>	Barred owl.....	6

COLIIFORMES

Coliidae:

<i>Colius striatus</i>	Streaked mouse bird or coly.....	1
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CORACIIFORMES

Alcedinidae:

<i>Dacelo gigas</i>	Kookaburra.....	2
<i>Halcyon sanctus</i>	Sacred kingfisher.....	1

Momotidae:

<i>Momotus lessoni</i>	Motmot.....	1
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PICIFORMES

Ramphastidae:

<i>Aulacorhynchus sulcatus sulcatus</i>	Groove-billed toucanet.....	1
<i>Pteroglossus aracari</i>	Black-necked aracari.....	1
<i>Pteroglossus torquatus</i>	Aracari toucan.....	1
<i>Ramphastos carinatus</i>	Sulphur-breasted toucan.....	7
<i>Ramphastos piscivorus</i>	Toco toucan.....	1

Capitonidae:

<i>Semnornis rhamphastinus</i>	Toucan-billed barbet.....	2
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PASSERIFORMES

Cotingidae:

<i>Rupicola peruviana sanguinolenta</i> ..	Scarlet cock of the rock.....	2
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Corvidae:

<i>Callocitta formosa</i>	Mexican jay.....	1
<i>Cissa chinensis</i>	Chinese cissa.....	2
<i>Cissilopha yucatanica</i>	Yucatan bluejay.....	5
<i>Corvus albus</i>	White-breasted crow.....	2
<i>Corvus brachyrhynchus</i>	American crow.....	6
<i>Corvus corax principalis</i>	Northern raven.....	2
<i>Corvus cornix</i>	Hooded crow.....	1
<i>Corvus cryptoleucus</i>	White-necked raven.....	1
<i>Corvus insolens</i>	Indian crow.....	3
<i>Cyanocitta cristata</i>	Bluejay.....	1
<i>Cyanocorax chrysops</i>	Urraca jay.....	1
<i>Cyanocorax mystacalis</i>	Moustached jay.....	1
<i>Cyanopica cyana</i>	Azure-winged pie.....	2
<i>Gymnorhina hypoleuca</i>	White-backed piping crow.....	3
<i>Pica pica hudsonica</i>	American magpie.....	11
<i>Urocissa caerulea</i>	Formosan red-billed pie.....	2
<i>Urocissa occipitalis</i>	Red-billed blue magpie.....	1

Paradiseidae:

<i>Ailuroedus crassirostris</i>	Australian catbird.....	1
<i>Epimachus fastuosus</i>	Sickle-billed bird of paradise.....	1
<i>Ptilonorhynchus violaceus</i>	Satin bowerbird.....	1

Pycnonotidae:

<i>Pycnonotus analis</i>	Yellow-vented bulbul.....	1
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Timaliidae:

<i>Leiothria luteus</i>	Pekin robin.....	3
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Mimidae:

<i>Melanotis caerulescens</i>	Blue catbird.....	1
<i>Mimus polyglottus leucopterus</i>	Mexican mockingbird.....	1
<i>Toxostoma rufum</i>	Brown thrasher.....	1

Turdidae:

<i>Garrular pectoralis picticollis</i>	Chinese collared laughing thrush..	1
<i>Hylocichla mustelina</i>	Wood thrush.....	1
<i>Merula migratorius</i>	Eastern robin.....	1
<i>Turdus grayi</i>	Bonaparte's thrush.....	1
<i>Turdus rufiventris</i>	Argentine robin.....	2

Sturnidae:

<i>Creatophora cinerea</i>	Wattled starling.....	1
<i>Galeopsar salvadorii</i>	Crested starling.....	1
<i>Graculipica melanoptera</i>	White starling.....	1
<i>Sturnus vulgarus</i>	Starling.....	2

Ploceidae:

<i>Diatropura procne</i>	Giant whydah.....	4
<i>Lonchura leucogastroides</i>	Bengalee.....	2
<i>Munia maja</i>	White-headed munia.....	2
<i>Munia malacca</i>	Black-throated munia.....	1
<i>Munia oryzivora</i>	Java sparrow.....	5
<i>Munia punctulatus</i>	Rice bird or nutmeg finch.....	1
<i>Ploceus baya</i>	Baya weaver.....	3
<i>Ploceus intermedius</i>	Black-cheeked weaver.....	5
<i>Ploceus rubiginosus</i>	Chestnut-breasted weaver.....	1
<i>Poephila acuticauda</i>	Long-tailed finch.....	1
<i>Quelea sanginirostris intermedia</i>	Southern masked weaver finch.....	2
<i>Steganura paradisea</i>	Paradise whydah.....	4
<i>Taeniopygia castanotis</i>	Zebra finch.....	6

Coerebidae:

<i>Cyanerpes cyanea</i>	Blue honey creeper.....	1
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Icteridae:

<i>Agelaius assimilis</i>	Cuban red-winged blackbird.....	2
<i>Cassiculus melanicterus</i>	Mexican cacique.....	1
<i>Gymnomystax mexicanus</i>	Giant oriole.....	1
<i>Icterus bullocki</i>	Bullock's troupial.....	2
<i>Icterus icterus</i>	Troupial.....	1
<i>Molothrus bonariensis</i>	Shiny cowbird.....	1
<i>Notiopsar curaeus</i>	Chilean blackbird.....	2
<i>Trupialis defilippi</i>	Military starling.....	4

Thraupidae:

<i>Chlorophonia occipitalis callophrys</i>	Central American chlorophonia.....	2
<i>Piranga bidentata</i>	Orange tanager.....	1
<i>Ramphocelus dimidiatus</i>	Crimson tanager.....	1
<i>Ramphocelus flammigerus</i>	Yellow tanager.....	4
<i>Ramphocelus icteronotus</i>	Yellow-rumped tanager.....	2
<i>Tanagra musica elegantissima</i>	Blue-hooded euphonia.....	2
<i>Thraupis cana</i>	Blue tanager.....	2

Fringillidae:

<i>Amandava amandava</i>	Strawberry finch.....	11
<i>Carpodacus mexicanus</i>	Mexican house finch.....	4
<i>Coryphospingus cucullatus</i>	Red-crested finch.....	2
<i>Cyanocompsa argentina</i>	Argentine blue grosbeak.....	2
<i>Diuca diuca</i>	Diuca finch.....	1
<i>Erythrura psittacea</i>	New Caledonian parrot finch.....	1
<i>Lophospingus pusillus</i>	Black-crested finch.....	3
<i>Melopyrrha nigra</i>	Cuban bullfinch.....	1
<i>Paroaria cucullata</i>	Brazilian cardinal.....	2
<i>Paroaria gularis nigro-genis</i>	Black-eared cardinal.....	3
<i>Passerina amoena</i>	Lazuli bunting.....	4
<i>Passerina cyanea</i>	Indigo bunting.....	2
<i>Passerina leclancherii</i>	Leclancher's bunting.....	6
<i>Passerina versicolor</i>	Blue bunting.....	2
<i>Phrygilus fruticeti</i>	Mourning finch.....	2
<i>Phrygilus gayi</i>	Gay's gray-headed finch.....	2
<i>Serinus canarius</i>	Canary.....	4
<i>Sicalis flaveola</i>	Mysto finch.....	1
<i>Sicalis luteola</i>	Saffron finch.....	2

Fringillidae—Continued.

<i>Sicalis minor</i>	Lesser yellow finch.....	4
<i>Spinus uropygialis</i>	Chilean siskin.....	3
<i>Sporophila aurita</i>	Hick's seed-eater.....	2
<i>Sporophila gutturalis</i>	Yellow-billed seed-eater.....	2
<i>Tiaris olivacea</i>	Mexican grassquit.....	1
<i>Volatinia jacarini</i>	Blue-black grassquit.....	1
<i>Zonotrichia capensis</i>	Chingolo.....	2

REPTILES

LORICATA

Crocodylidae:

<i>Alligator mississippiensis</i>	Alligator.....	14
<i>Alligator sinensis</i>	Chinese alligator.....	3
<i>Caiman latirostris</i>	Broad-snouted caiman.....	1
<i>Caiman sclerops</i>	Spectacled caiman.....	3
<i>Crocodylus acutus</i>	American crocodile.....	4
<i>Crocodylus cataphractus</i>	Narrow-nosed crocodile.....	1
<i>Crocodylus niloticus</i>	African crocodile.....	2
<i>Crocodylus palustris</i>	"Toad" crocodile.....	2
<i>Crocodylus porosus</i>	Salt-water crocodile.....	1
<i>Crocodylus rhombifer</i>	Cuban crocodile.....	1
<i>Osteolaemus tetraspis</i>	Broad-nosed crocodile.....	2

SAURIA

Gekkonidae:

<i>Gekko gekko</i>	Gecko.....	2
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Iguanidae:

<i>Anolis carolinensis</i>	False "chameleon".....	10
<i>Basiliscus vittatus</i>	Banded basilisk.....	3
<i>Iguana iguana</i>	Common iguana.....	2
<i>Phrynosoma cornutum</i>	Horned lizard.....	5
<i>Sceloporus undulatus</i>	Pine or fence lizard.....	6

Anguidae:

<i>Ophisaurus ventralis</i>	Glass snake or legless lizard.....	5
<i>Uromastix acanthinurus</i>	North African spiny-tailed lizard..	1

Helodermatidae:

<i>Heloderma horridum</i>	Mexican beaded lizard.....	2
<i>Heloderma suspectum</i>	Gila monster.....	6

Teiidae:

<i>Cnemidophorus sexlineatus</i>	Six-lined race runner.....	5
<i>Tupinambis nigropunctatus</i>	Black tegu.....	1

Scincidae:

<i>Egernia cunninghami</i>	Cunningham's skink.....	1
<i>Eumeces fasciatus</i>	Blue-tailed skink.....	2
<i>Tiliqua scincoides</i>	Blue-tongued lizard.....	2

Varanidae:

<i>Varanus komodoensis</i>	Komodo dragon.....	1
<i>Varanus monitor</i>	Indian monitor.....	2
<i>Varanus niloticus</i>	Nile monitor.....	2
<i>Varanus salvator</i>	Sumatran monitor.....	4

SERPENTES

Boidae:

<i>Constrictor constrictor</i>	Boa constrictor.....	2
<i>Constrictor imperator</i>	Central American boa.....	8
<i>Epicrates cenchris</i>	Rainbow boa.....	6
<i>Epicrates crassus</i>	Salamanta.....	1
<i>Epicrates striatus</i>	Haitian boa.....	1
<i>Python molurus</i>	Indian rock python.....	6
<i>Python regius</i>	Ball python.....	1
<i>Python reticulatus</i>	Regal python.....	1
<i>Tropidophis melanurus</i>	Cuban boa.....	1

Colubridae:

<i>Coluber constrictor</i>	Black snake.....	4
<i>Coluber flagellum</i>	Coachwhip.....	2
<i>Cyclagras gigas</i>	Cobra de Paraguay.....	1
<i>Diadophis punctatus</i>	Ring-necked snake.....	1
<i>Drymarchon corais couperi</i>	Indigo snake.....	3
<i>Elaphe guttata</i>	Corn snake.....	5
<i>Elaphe obsoleta</i>	Pilot snake.....	4
<i>Elaphe quadrivittata</i>	Yellow chicken snake.....	4
<i>Natrix piscator</i>	Water snake.....	1
<i>Natrix septemvittata</i>	Queen or moon snake.....	3
<i>Natrix</i> sp.....	Water snake.....	15
<i>Ophedrys vernalis</i>	Smooth-scaled green snake.....	30
<i>Pituophis catenifer</i>	Western bull snake.....	1
<i>Pituophis catenifer annectans</i>	San Diego gopher snake.....	1
<i>Pituophis melanoleucus</i>	Bull snake.....	1
<i>Ptyas mucosus</i>	Rat snake.....	1
<i>Storeria dekayi</i>	De Kay's snake.....	1
<i>Thamnophis ordinoides</i>	Western garter snake.....	6
<i>Thamnophis sirtalis</i>	Garter snake.....	10

Elapidae:

<i>Naja melanoleuca</i>	West African cobra.....	1
<i>Naja naja</i>	Indian cobra.....	1
<i>Oxybelis fulgidus</i>	Green tree snake.....	1
.....	Indian water snake.....	1

Crotalidae:

<i>Agkistrodon mokeson</i>	Copperhead snake.....	7
<i>Agkistrodon piscivorus</i>	Water moccasin.....	2
<i>Crotalus atrox</i>	Texas diamond-backed rattlesnake.....	3
<i>Crotalus horridus horridus</i>	Timber rattlesnake.....	1
<i>Crotalus terrificus</i>	South American rattlesnake.....	5

TESTUDINATA

Chelydidae:

<i>Chelodina longicollis</i>	Australian snake-necked turtle.....	1
<i>Batrachemys nasuta</i>	South American side-necked turtle.....	3
<i>Hydraspis</i> sp.....	South American snake-necked turtle.....	3
<i>Hydromedusa tectifera</i>	Snake-necked turtle.....	16
<i>Platemys platycephala</i>	Flat-headed turtle.....	1

Platysternidae:

<i>Platysternum megacephalum</i>	Large-headed Chinese turtle.....	1
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Pelomedusidae:

<i>Pelomedusa galeata</i>	Common African water tortoise.....	2
<i>Podocnemis expansa</i>	South American river tortoise.....	1

Kinosternidae:

<i>Kinosternon</i> sp.....	Central American musk turtle.....	1
<i>Kinosternon subrubrum</i>	Musk turtle.....	4

Chelydridae:

<i>Chelydra serpentina</i>	Snapping turtle.....	8
<i>Macrochelys temminckii</i>	Alligator snapping turtle.....	1

Testudinidae:

<i>Chrysemys marginata</i>	Western painted turtle.....	5
<i>Chrysemys picta</i>	Painted turtle.....	3
<i>Clemmys guttata</i>	Spotted turtle.....	6
<i>Clemmys insculpta</i>	Wood turtle.....	7
<i>Cyclemys amboinensis</i>	Kura kura box turtle.....	3
<i>Emys blandingii</i>	Blanding's turtle.....	1
<i>Geoclemys subtrijuga</i>	Siamese field turtle.....	1
<i>Geoemyda manni</i>	Costa Rican terrapin.....	3
<i>Graptemys barbouri</i>	Barbour's turtle.....	7
<i>Malaclemys centrata</i>	Diamond-back turtle.....	24
<i>Pseudemys concinna</i>	Cooter.....	3
<i>Pseudemys elegans</i>	Cumberland terrapin.....	2
<i>Pseudemys ornata</i>	Central American water turtle.....	1
<i>Pseudemys rugosa</i>	Cuban terrapin.....	1
<i>Terrapene carolina</i>	Box turtle.....	50
<i>Terrapene major</i>	Florida box turtle.....	4
<i>Terrapene</i> sp.....	Mexican box turtle.....	2
<i>Testudo denticulata</i>	South American land tortoise.....	2
<i>Testudo elegans</i>	Star tortoise.....	2
<i>Testudo ephippium</i>	Duncan Island tortoise.....	1
<i>Testudo hoodensis</i>	Hood Island tortoise.....	3
<i>Testudo tornieri</i>	Soft-shelled land tortoise.....	1
<i>Testudo vicina</i>	Albemarle Island tortoise.....	3

Trionychidae:

<i>Amyda ferox</i>	Soft-shelled turtle.....	6
<i>Amyda triunguis</i>	West African soft-shelled turtle.....	1

AMPHIBIA

CAUDATA

Salamandridae:

<i>Triturus pyrrhogaster</i>	Red salamander.....	3
<i>Triturus torosus</i>	Giant newt.....	2
<i>Triturus vulgaris</i>	Common salamander.....	1

Amphiumidae:

<i>Amphiuma means</i>	Blind eel or congo snake.....	1
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Ambystomidae:

<i>Ambystoma maculatum</i>	Spotted salamander.....	2
<i>Ambystoma tigrinum</i>	Axolotl.....	18

SALIENTIA

Dendrobatidae:

<i>Dendrobates auratus</i>	Arrow-poison frog.....	3
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Bufonidae:

<i>Bufo americanus</i>	Common toad.....	12
<i>Bufo empusus</i>	Sapo de concha.....	8
<i>Bufo marinus</i>	Marine toad.....	6
<i>Bufo peltoccephalus</i>	Cuban giant toad.....	3

Ceratophryidae:

<i>Ceratophrys ornata</i>	Horned frog.....	3
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Hylidae:

<i>Acris gryllus</i>	Cricket frog.....	5
<i>Hyla crucifer</i>	Tree frog.....	7

Pipidae:

<i>Pipa americana</i>	Surinam toad.....	2
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Ranidae:

<i>Rana catesbeiana</i>	Bullfrog.....	4
<i>Rana clamitans</i>	Green frog.....	3
<i>Rana occipitalis</i>	West African bullfrog.....	1
<i>Rana pipiens</i>	Leopard frog.....	15
<i>Rana sylvatica</i>	Wood frog.....	3
<i>Xenopus laevis</i>	African clawed frog.....	5

FISHES

<i>Aequidens portalegrensis</i>	Blue acara.....	1
<i>Aphysemion australe</i>	Lyre-tailed fish.....	1
<i>Barbus everetti</i>	Clown barb.....	8
<i>Barbus oligolepis</i>	3
<i>Barbus sumatranus</i>	2
<i>Betta</i> sp.....	Fighting fish.....	19
<i>Carassius auratus</i>	Goldfish.....	120
<i>Cichlasoma festivum</i>	Banded acara.....	1
<i>Corydoras melanistius</i>	Armored catfish.....	1
<i>Corydoras</i> sp.....	Catfish.....	2
<i>Danio malabaricus</i>	Blue danio.....	7
<i>Danio rerio</i>	Zebra fish.....	10
<i>Gymnocorymbus ternetzi</i>	Black tetra.....	4
<i>Hemigrammus</i> sp.....	Tetra Buenos Aires.....	2
<i>Hyphessobrycon innesi</i>	Neon tetra fish.....	3
<i>Kryptopterus bicirrhis</i>	Glass catfish.....	3
<i>Lebistes reticulatus</i>	Guppy.....	100
<i>Lepidosiren paradoxa</i>	South American lungfish.....	2
<i>Macropodus</i> sp.....	Paradise fish.....	20
<i>Mollienia sphenops</i> sp.....	Victory molly.....	8
<i>Platypoecilus</i>	Red moon.....	20
<i>Platypoecilus maculatus</i>	Black wag-tail moon.....	8
<i>Platypoecilus maculatus</i>	Goldplaties.....	12
<i>Plecostomus</i> sp.....	Armored catfish.....	1
<i>Protopterus annectens</i>	African lungfish.....	2
<i>Pterophyllum scalare</i>	Angel fish.....	1
<i>Serrasalmus ternetzi</i>	Piranha or cannibal fish.....	1
<i>Trichogaster leeri</i>	Blue gourami.....	1
<i>Xiphophorus helleri</i>	{ Swordtail.....	3
	{ Tuxedo swordtail.....	12

ARACHNIDS

<i>Eurypelma</i> sp.....	Tarantula.....	2
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INSECTS

<i>Blabera</i> sp.....	Giant cockroach.....	100
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Respectfully submitted.

W. M. MANN, *Director*.

Dr. A. WETMORE,

Secretary, Smithsonian Institution.

APPENDIX 8

REPORT ON THE ASTROPHYSICAL OBSERVATORY

SIR: I have the honor to submit the following report on the operations of the Astrophysical Observatory for the fiscal year ended June 30, 1945:

The work of the Astrophysical Observatory is conducted on funds received largely from appropriation by Congress, amounting for the fiscal year 1945 to \$44,140, and in part from private sources. There are two divisions:

(1) DIVISION OF ASTROPHYSICAL RESEARCH

This division has its headquarters in Washington, and maintains three field stations for solar observations, at Table Mountain, Calif., Tyrone, N. Mex., and Montezuma, Chile. In Washington the division occupies frame buildings in an enclosure about 15,000 square feet in area just south of the Smithsonian Building. The frame structures have served for many years as the offices and laboratories of the division. During the fiscal year 1945 extensive alterations and repairs were made which provide greatly improved facilities for the work of the division.

Work at Washington.—In the first half of the fiscal year a large part of the time of Mrs. Bond, Mr. Hoover, and the Director was given to a compilation of all solar-constant values for the period October 1939 to January 1945. This compilation is an extension of the great table (table 24) of volume 6 of the Annals of the Astrophysical Observatory. The extended table summarizes the important factors employed in the reductions and also gives the preferred solar constant for each day of observation in the $21\frac{1}{2}$ -year period July 1923 to January 1945. Inasmuch as this period includes three sunspot minima (July 1923, September 1933, May 1944), and thus covers a complete double sunspot period, it became of interest to study all these results to determine what relationship exists between solar constants and sunspot numbers. A paper summarizing this study (Smithsonian Misc. Coll., vol. 104, No. 12) shows a diametrically opposite relationship between solar-constant values and sunspot numbers in the two halves of the double sunspot period. It is important to discover in the succeeding cycle of sunspots whether this complex relationship will repeat itself. If so, the prediction of solar variation as given in volume 6 of the Annals (fig. 14) and referred to in the 1944 report will

require some modification, since that curve did not include consideration of sunspot effects.

Dr. Abbot and Mr. Hoover constructed and tested a new sensitive radiometer which Dr. Abbot plans to use with the aid of the Mount Wilson 100-inch telescope to study the distribution of energy in the spectra of stars of various types. Definite progress was made in the design of the instrument, and in the control of static charges, which in the past have been most troublesome.

At the request of the United States Weather Bureau, two pyrheliometers belonging to the Bureau were repaired and recalibrated. Also a silver-disk pyrheliometer was built, calibrated, and sold at cost to the Bureau.

Dr. H. Arctowski has continued his studies of the effects of solar-radiation changes upon atmospheric circulation and related atmospheric problems. A paper summarizing this work is in preparation.

Work in the field.—Observations at the three field stations were maintained in spite of the continued manpower shortage. Great credit is due the directors of the stations for carrying the heavy observing load under difficulties. Owing to the serious illness of Mr. Moore, director of the Tyrone station, that station was closed for 8 weeks in the spring of 1945.

War work.—Two sets of experiments were carried out at the request of the Military Planning Division, Office of the Quartermaster General, to determine the surface temperatures attained by various samples of military clothing under conditions similar to those of actual use in the field. For this purpose we employed a special thermoelectric device developed some years ago at the Observatory for the measurement of skin temperatures.

In June 1945 a contract was signed with the Office of the Quartermaster General, under the terms of which the Observatory is to make a detailed study of radiation received from sun and sky at Camp Lee, Va., in connection with a series of tests being made at Camp Lee. The preparation of instruments for this study was in progress at the close of the fiscal year.

(2) DIVISION OF RADIATION AND ORGANISMS

(Report prepared by Dr. Earl S. Johnston, Assistant Director of the Division)

During the early part of the year research connected with war projects was terminated. This work dealt mainly with problems of deterioration of cloth, cardboard, and electrical wire insulation by molds and by ultraviolet light. Contact with these projects is still maintained by Dr. Johnston, who was designated liaison representative of the Institution with the Tropical Deterioration Steering Committee which comes under the National Defense Research Committee.

He also represents the Institution as a technical adviser to the Navy with reference to emergency rescue equipment, which section is now under the United States Coast Guard.

The termination of this emergency work has permitted the resumption of the Division's regular research program. Two of our laboratory rooms have been equipped with apparatus and facilities for the continuation of our studies on photosynthesis and on the wave-length effects of light on growth. It has been found necessary to rebuild much of the CO₂ measuring apparatus and to carry out extensive tests before our fundamental problems could be taken up. These steps are now in process of completion, and four preliminary experiments on wave-length balance and plant growth have been carried out. Two other general problems have been pursued: (1) Influence of light on respiration of the grass seedling, and (2) course of development of the grass seedling as influenced by environmental factors with special attention to the role of radiant energy.

It has been noted previously (Weintraub and Johnston, 1944) that brief illumination of etiolated barley seedlings resulted in a marked increase in rate of carbon dioxide evolution. In attempting to gain information on the mechanism of this effect a study has been made of the reducing sugar content of the plants as influenced by light; no significant change in sugar content was found under the experimental conditions employed. In the course of this work it became necessary to devote considerable time to a study of methods of sugar analysis as applied to plant tissues; some of the findings have been published. Experiments are now in progress on measurement of oxygen consumption concurrent with the carbon dioxide production.

The investigation of grass seedling development has proceeded along several lines. In addition to effects of radiation itself, a study is being made of the role of some other environmental factors such as temperature, nutrient supply, and aeration. Additional data have been obtained regarding the action spectrum of mesocotyl inhibition in oats over a wide range of light intensities; at low intensities a second maximum occurs in the neighborhood of 620 m μ . It is hoped that work on the isolation of the photoreceptive pigments can be resumed shortly. Comparison of the effectiveness of red and of violet light has been made for several other species representing a majority of the tribes of grasses; the responses of all species have been found to be fairly similar to that of *Avena*, thus greatly extending the generality of the earlier results of Weintraub and McAlister (1942). The influence of light on elongation of the grass coleoptile also is being studied; the results to date have demonstrated a marked effect of temperature on the response of this organ to light which causes inhibition at lower temperatures but an apparent stimulation at higher temperatures.

PERSONNEL

On June 30, 1944, Dr. C. G. Abbot, for many years Director of the Astrophysical Observatory, retired from administrative work. L. B. Aldrich was appointed Acting Director, and on April 16, 1945, he succeeded to the post of Director. It is a pleasure to record that Dr. Abbot remains at the Observatory as research associate and that his advice and help continue to be available to the staff.

As of June 1, 1944, L. B. Clark, expert glass blower and technician of the Division of Radiation and Organisms, was placed in charge of the construction of instruments and equipment for both divisions of the Observatory.

PUBLICATIONS

During the fiscal year the following publications on the work of the Observatory were issued:

- ABBOT, C. G., Weather predetermined by solar variation. *Smithsonian Misc. Coll.*, vol. 104, No. 5, July 1944.
- ABBOT, C. G., On the 27.0074-day cycle in Washington precipitation. *Smithsonian Misc. Coll.*, vol. 104, No. 9, February 1945.
- ALDRICH, L. B., Smithsonian pyrheliometry and the Andean volcanic eruptions of April 1932. *Smithsonian Misc. Coll.*, vol. 104, No. 6, July 1944.
- ALDRICH, L. B., Solar radiation observations and volcanic dust. *Nature*, vol. 154, No. 3914, p. 538, London, November 1944.
- WEINTRAUB, R. L., Radiation and plant respiration. *Bot. Rev.*, vol. 10, No. 7, July 1944.
- WEINTRAUB, R. L., Chemotherapeutic agents from microbes. *Ann. Rep. Smithsonian Inst. for 1943*, October 1944.
- WEINTRAUB, R. L., and PRICE, LEONARD, Influence of various substances on sugar determination by copper and ferricyanide reagents. *Smithsonian Misc. Coll.*, vol. 104, No. 10, March 1945.

Respectfully submitted.

L. B. ALDRICH, *Director.*

Dr. A. WETMORE,
Secretary, Smithsonian Institution.

APPENDIX 9

REPORT ON THE LIBRARY

SIR: I have the honor to submit the following report on the activities of the Smithsonian library for the fiscal year ended June 30, 1945:

In use and also in growth the library continued to reflect the progress of the war during the year just past. As the Army and the Navy moved toward the final objective, occupying territory concerning which they had earlier made a thorough search for significant information, the reference use of the library by the war agencies noticeably decreased. The same reason, too, accounts largely for the drop in the number of loans to outside institutions from 1,363 in 1944 to 840 in 1945. Foreign accessions, on the other hand, took an upward turn late in the year, especially after VE-day, and the number of pieces received through the International Exchange Service was 200 more than in the preceding year, while increasingly larger numbers of publications had begun to come from abroad by mail. It is especially gratifying to note here that some of the European learned societies and museums had been able to continue publication of important series straight through the years of the enemy occupation of their countries.

While its more obvious direct use by the personnel of the war agencies declined, there was no falling off in the demand for the library's less direct and conspicuous but no less important war service by the members of the scientific and technical staff of the Institution, many of whom were continuously busy with war projects requiring their special knowledge. Most of this work was not different in kind from the usual peacetime business of supplying the books and information needed by research workers in making scientific investigations, and no exceptional methods or procedures had to be used to do it. Now and then, however, ingenuity and resourcefulness were taxed to meet an out-of-the-ordinary or specially pressing requirement, sometimes to the temporary disruption of established routine.

A forecast of the approaching end of the war was the return to Washington in 1944 of the rare books and manuscripts that had been removed to Lexington, Va., for safekeeping in 1942. The Institution is deeply indebted both to Washington and Lee University and to the Library of Congress for providing the ideal conditions under which they were housed and protected during the years of their evacu-

ation. The McCormick Library, in the stacks of which the University so generously gave them storage space, is a fine new fireproof building, and the Library of Congress was so kind as to extend to the Smithsonian material the 24-hour guard service which it maintained over its own material similarly stored there. More fortunate provision for the safekeeping of the Institution's irreplaceable books and manuscripts could not have been made, and nothing was lost or injured in any way.

Not a part of its official business, but a willingly accepted wartime obligation, was the library's agency in receiving and distributing the popular books and magazines which members and friends of the Institution continued to bring in for men and women in the service. The table in the main hall of the Smithsonian building was kept well supplied with "take away" reading matter, and many books were turned over to various service centers in the city.

ACCESSIONS

The first evidences of the returning tide of foreign publications came so late in the year that their number and kind did not greatly affect the picture of the accessions for the year as a whole, especially as there had been a small but continuous falling off of serial publications from abroad in the months before. The accessions division handled altogether 25,914 incoming publications. Of these, 3,878, mostly documents not required in the work of the Institution, were sent directly to the Library of Congress, while duplicates received as gifts or in exchange, and some other publications not needed for immediate use, were either given to other Government libraries or were kept in reserve. All the rest were cataloged, entered in the current periodical records, or assigned to sectional libraries for filing in pamphlet collections.

Of the volumes received, 1,863 were purchased. The exigencies of current peacetime scientific publication usually make it difficult to stretch the book budget far enough to include older works needed to fill gaps in the Institution's working collections of reference books. Narratives and reports of early voyages and travels are especially important to the work of both the National Museum and the Bureau of American Ethnology, containing as they do much direct or incidental information about the animals, plants, and peoples of the regions visited, while many of the older books on natural history, art, crafts, industries, and inventions are constantly required for reference by the different departments of the Museum and the National Collection of Fine Arts. This year, as last, it was possible to buy a few of the Institution's desiderata in these and related fields when they came into the books markets. Among them were Henri Beraldi's "Les Graveurs

du XIX^e Siècle," 12 volumes, Paris, 1885-92; George Dixon's "A Voyage Round the World, but More Particularly to the North-West Coast of America, Performed in 1785, 1786, 1787, and 1788," London, 1789; W. Vincent Legge's "A History of the Birds of Ceylon," London, 1880; Urey Lisiansky's "A Voyage Round the World, in the Years 1803, 4, 5, & 6, Performed by Order of His Imperial Majesty Alexander the First, Emperor of Russia, in the Ship Neva," London, 1814; Samuel Palmer's "A General History of Printing, from the First Invention of It in the City of Mentz," London, 1733; Leo Schidlof's "Die Bildnisminiatur in Frankreich im XVII, XVIII, und XIX Jahrhundert," Vienna, 1911; J. P. Williamson's "English-Dakota Vocabulary," Santee Agency, Nebr., 1871; Francis Willughby's "Ornithologie," London, 1676; William Wood's "Index Entomologicus," new and revised edition, with supplement by J. O. Westwood, London, 1854.

GIFTS

Space does not permit the separate listing of the 3,893 books and papers which members and friends of the Institution so generously gave to the library during the year. Among them were many items that greatly enriched the collections, notably two gifts of more than 200 publications each, on photography, some of them old and rare, which were presented to the division of photography for its sectional library by George R. Goergens, and by the firm of Fuller & d'Albert.

Separates and reprints of their papers are always most welcome gifts from scientific investigators, and our divisional libraries on special subjects are largely built up of such contributions. In spite of the wartime difficulties of publication and transmission, the year's record of the receipt of literature of this sort includes the names of individual donors from most of the countries of North and South America, and from Great Britain, Portugal, Egypt, Turkey, South Africa, Australia, and New Zealand.

EXCHANGES

The Institution's policy of exchange of publications has always been a liberal rather than a rigid one of equivalents, and many of its own publications are sent out without expectation of any return in kind at all. This policy has greatly benefited the library, for it has almost invariably been reciprocated generously by the institutions on the exchange list. During this last war year of paper shortage and small editions, the library has had reason to feel especially grateful to the issuing institutions who have sent us voluntarily, or upon request, many needed publications over and above the hundreds distributed regularly in routine exchange.

CATALOGING

Current cataloging according to the plan of work adopted last year was well kept up, and it was even possible to do a little recataloging of some of the older, inadequately cataloged material most in demand. The union catalog was considerably improved, and work on it was simplified by adopting some clarifying and labor-saving devices in its arrangement, and by withdrawing from it old donor cards and other extraneous records which were serving no present useful purpose.

There are still many thousands of volumes of older accessions in the different bureau libraries and in special collections that are not represented in the union catalog at all, and a large number of them, especially those in the Museum library, are not adequately cataloged in the unit catalogs of the bureau libraries themselves.

Since its founding, almost a hundred years ago, the Smithsonian Institution is so fortunate as to have acquired exceptionally rich collections of literature in certain special fields of its interests, notably in anthropology, zoology, botany, and geology, in addition to the publications sent as part of the Smithsonian Deposit to the Library of Congress. Provision for the cataloging of this and other material, mostly in the different bureau and sectional libraries of the Institution, has always lagged so far behind its inflow, through the years, that the large accumulated "backlog" of work to be done on it might almost be termed permanent. Certain it is that it cannot be satisfactorily reduced within any predictable future time except by a staff of competent catalogers engaged to do it as a special project.

But only when the library finally has a complete catalog of all the Institution's books, so that it is possible to know exactly what and where they are, can it be the scholarly tool and can its staff give the fully effective service that contemporary scientific and technical research requires.

DUPLICATES

The resources of the library's large collections of duplicates and of other publications on subjects not pertinent to the work of the Institution continue to be drawn upon by other Government libraries, and many parts needed for the completion of sets of scientific serials have been supplied to them. More than 6,000 of these publications, too, were sent to the Library of Congress to be used for the rehabilitation of destroyed libraries.

PERSONNEL

Changes in personnel were the appointment of Miss Mary L. Fleet on October 16, 1944, to be in charge of serials and binding in the Mu-

seum library, succeeding Miss Elizabeth G. Moseley who had resigned on August 31; and the appointment on September 18 of Miss Leona Haviland as a cataloger. By transfer from the division of insects Miss Mathilde M. Carpenter was attached to the library staff on August 31 as biological aid in charge of the sectional library of the division of insects. On October 9 Mrs. Carmen G. Randall, who had been under temporary appointment as library assistant, was transferred to the temporary position of senior bindery aid. Miss Beatrice E. Smith served as a cataloger under temporary appointment from June 30 to August 31, 1944.

NEEDS

Relief for the serious overcrowding of the shelves in all the buildings is the library's most urgent need, and the whole matter of the physical condition and arrangement of all its branches and parts with relation to policies and provisions for their growth and administration in the future needs detailed and careful study.

STATISTICS

Accessions

	Volumes	Total holdings June 30, 1945		Volumes	Total holdings June 30, 1945
Astrophysical Observatory (including Radiation and Organisms)-----	207	11,715	National Zoological Park-----	34	4,121
Bureau of American Eth- nology-----	204	34,205	Smithsonian Deposit at the Library of Congress (includ- ing the Langley Aeronauti- cal Library)-----	723	576,173
Freer Gallery of Art-----	230	16,866	Smithsonian Office-----	187	31,680
National Collection of Fine Arts-----	407	10,155	Total-----	4,844	1,918,460
National Museum-----	2,852	233,544			

¹ Neither incomplete volumes of periodicals nor separates and reprints from periodicals are included in these figures.

Exchanges

New exchanges arranged----- 218
56 of these were assigned to the Smithsonian Deposit.
"Wants" received----- 6,671
782 of these were obtained to fill gaps in the Smithsonian Deposit
sets.

Cataloging

Volumes and pamphlets cataloged----- 6,512
Cards filed in catalogs and shelflists----- 35,625

Periodicals

Periodical parts entered----- 12,359
3,340 of these were sent to the Smithsonian Deposit.

Circulation

Loans of books and periodicals----- 10,833

This figure does not include the very considerable intramural circulation of books and periodicals assigned to sectional libraries for filing, of which no count is kept.

Binding

Volumes sent to the bindery----- 2,589

Books repaired at the Institution----- 1,149

Respectfully submitted.

LEILA F. CLARK, *Librarian.*

Dr. A. WETMORE,

Secretary, Smithsonian Institution.

APPENDIX 10

REPORT ON PUBLICATIONS

SIR: I have the honor to submit the following report on the publications of the Smithsonian Institution and the Government branches under its administrative charge during the year ended June 30, 1945:

The Institution published during the year 6 papers in the Smithsonian Miscellaneous Collections; 2 papers in the War Background Studies series; 1 Annual Report of the Board of Regents and pamphlet copies of 23 articles in the Report appendix; and 3 special publications. It also reprinted 2 volumes of the Smithsonian Miscellaneous Collections, 17 War Background Studies papers, and 2 special publications.

Owing to the paper shortage, the Secretary's Report for 1944 was not printed as a separate pamphlet, but was mimeographed, in condensed form, for the use of the Board of Regents. This report, including the financial report of the executive committee of the Board of Regents, will form a part of the Annual Report of the Board of Regents to Congress for the year ended June 30, 1944.

The United States National Museum issued 18 Proceedings papers; 1 Bulletin; and 1 separate paper in the Bulletin series of Contributions from the United States National Herbarium.

The Bureau of American Ethnology issued one Annual Report, one Bulletin, one special publication, and one paper in the Institute of Social Anthropology series.

There were distributed 141,635 copies of the publications, including 24 volumes and separates of the Smithsonian Contributions to Knowledge, 14,420 volumes and separates of the Smithsonian Miscellaneous Collections, 19,686 volumes and separates of the Smithsonian Annual Reports, 56,245 War Background Studies papers, 3,812 Smithsonian special publications, 33,264 volumes and separates of National Museum publications, 11,570 publications of the Bureau of American Ethnology, 6 publications of the National Collection of Fine Arts, 8 publications of the Freer Gallery of Art, 160 reports on the Harriman Alaska Expedition, 23 Annals of the Astrophysical Observatory, 889 reports of the American Historical Association, and 1,528 publications of the Institute of Social Anthropology.

SMITHSONIAN MISCELLANEOUS COLLECTIONS

There were issued six papers in this series, as follows:

VOLUME 104

No. 5. Weather predetermined by solar variation, by C. G. Abbot. 44 pp., 24 figs. (Publ. 3771.) July 3, 1944.

No. 6. Smithsonian pyrhelimetry and the Andean volcanic eruptions of April 1932, by L. B. Aldrich. 5 pp. (Publ. 3772.) July 3, 1944.

No. 7. The feeding apparatus of the biting and sucking insects affecting man and animals, by R. E. Snodgrass. 113 pp., 39 figs. (Publ. 3773.) October 24, 1944.

No. 8. A new shipworm from the Panama Canal, by Paul Bartsch. 3 pp., 1 pl. (Publ. 3774.) September 7, 1944.

No. 9. On the 27.0074-day cycle in Washington precipitation, by C. G. Abbot. 2 pp. (Publ. 3800.) February 8, 1945.

No. 10. Influence of various substances on sugar determination by copper and ferricyanide reagents, by Robert L. Weintraub and Leonard Price. 17 pp., 9 figs. (Publ. 3801.) March 28, 1945.

The following volumes were reprinted:

VOLUME 79

World Weather Records, assembled and arranged by H. Helm Clayton. First Reprint. xii+1199 pp. (Publ. 2913.)

VOLUME 90

World Weather Records, 1921-1930, assembled and arranged by H. Helm Clayton. First Reprint. xvii+616 pp. (Publ. 3218.)

WAR BACKGROUND STUDIES

In this series the following papers were issued:

No. 20. China, by A. G. Wenley and John A. Pope. 85 pp., 25 pls., 10 figs. (Publ. 3770.) July 27, 1944.

No. 21. The Aleutian Islands: Their people and natural history. (With keys for the identification of the birds and plants), by Henry B. Collins, Jr., Austin H. Clark, and Egbert H. Walker. 131 pp., 21 pls., 8 figs. (Publ. 3775.) February 5, 1945.

The following War Background Studies papers were reprinted:

No. 1. Origin of the Far Eastern civilizations: A brief handbook, by Carl Whiting Bishop.

No. 2. The evolution of nations, by John R. Swanton.

No. 3. The peoples of the Soviet Union, by Aleš Hrdlička.

No. 4. Peoples of the Philippines, by Herbert W. Krieger.

No. 5. The natural-history background of camouflage, by Herbert Friedmann.

No. 6. Polynesians—explorers of the Pacific, by J. E. Weckler.

No. 7. The Japanese, by John F. Embree.

No. 8. Siam—land of free men, by H. G. Deignan.

No. 9. The native peoples of New Guinea, by M. W. Stirling.

No. 10. Poisonous reptiles of the world: A wartime handbook, by Doris M. Cochran.

No. 11. Egypt and the Suez Canal, by Frank H. H. Roberts, Jr.

No. 12. Are wars inevitable? by John R. Swanton.

No. 13. Alaska: America's continental frontier outpost, by Ernest P. Walker.

No. 14. Islands and peoples of the Indies, by Raymond Kennedy.

No. 15. Iceland and Greenland, by Austin H. Clark.

No. 16. Island peoples of the western Pacific: Micronesia and Melanesia, by Herbert W. Krieger.

No. 17. Burma—gateway to China, by H. G. Deignan.

No. 18 on "The Peoples of India," by William H. Gilbert, and No. 19 on "The Peoples of French Indochina," by Olav Janse, were issued so near the end of the previous fiscal year that no reprints were necessitated.

SMITHSONIAN ANNUAL REPORTS

Report for 1943.—The complete volume of the Annual Report of the Board of Regents for 1943 was received from the Public Printer in October 1944:

Annual Report of the Board of Regents of the Smithsonian Institution showing the operations, expenditures, and conditions of the Institution for the year ended June 30, 1943. xi+609 pp., 141 pls., 64 figs. (Publ. 3741.)

The general appendix contained the following papers (Publs. 3742–3764):

Solar radiation as a power source, by C. G. Abbot.

Some biological effects of solar radiation, by Brian O'Brien.

The sea as a storehouse, by E. F. Armstrong.

Progress in new synthetic textile fibers, by Herbert R. Mauersberger.

Petroleum geology, by William B. Heroy.

The 1942 eruption of Mauna Loa, Hawaii, by Gordon A. MacDonald.

New metals and new methods, by C. H. Desch.

Oceanography, by Henry C. Stetson.

The ocean current called "The Child," by Eliot G. Mears.

Maps, strategy, and world politics, by Richard Edes Harrison and Robert Strausz-Hupé.

The natural-history background of camouflage, by Herbert Friedmann.

Dangerous reptiles, by Doris M. Cochran.

The plants of China and their usefulness to man, by Egbert H. Walker.

Natural rubber, by O. F. Cook.

Lessons from the Old World to the Americas in land use, by Walter Clay Lowdermilk.

Areal and temporal aspects of aboriginal South American culture, by John M. Cooper.

Origin of the Far Eastern civilizations: A brief handbook, by Carl Whiting Bishop.

Contours of culture in Indonesia, by Raymond Kennedy.

The Arab village community of the Middle East, by Afif I. Tannous.

Chemotherapeutic agents from microbes, by Robert L. Weintraub.

Sulfonamides in the treatment of war wounds and burns, by Charles L. Fox.

The yellow fever situation in the Americas, by Wilbur A. Sawyer.

Some food problems in wartime, by George R. Cowgill.

Report for 1944.—The Report of the Secretary, which included the financial report of the executive committee of the Board of Regents, and which will form part of the Annual Report of the Board of Regents to Congress, was not printed as a separate pamphlet, but was mimeographed, in condensed form, for the use of the Board of Regents.

The Report volume, containing the general appendix, was in press at the close of the year.

SPECIAL PUBLICATIONS

Publications of the Smithsonian Institution issued between July 1, 1939, and July 1, 1944. 18 pp. March 1945.

Classified list of Smithsonian publications available for distribution May 1, 1945, compiled by Helen Munroe. 50 pp. (Publ. 3802.) May 1945.

The following special publications were reprinted:

National Aircraft Collection, by Paul Garber. Fifth Edition. 43 pp., illus. (Publ. 3635.) March 1945.

Brief Guide to the Smithsonian Institution. Sixth Edition. 80 pp., illus. April 1945.

A field collector's manual in natural history, prepared by members of the staff of the Smithsonian Institution. 118 pp., 66 figs. (Publ. 3766.) June 1945.

PUBLICATIONS OF THE UNITED STATES NATIONAL MUSEUM

The editorial work of the National Museum has continued during the year under the immediate direction of the editor, Paul H. Oehser. There were issued 18 Proceedings papers, 1 Bulletin, and 1 separate paper in the Bulletin series of Contributions from the United States National Herbarium, as follows:

PROCEEDINGS: VOLUME 94

No. 3177. Parasitic copepods in the United States National Museum, by Charles Branch Wilson. Pp. 529-582, pls. 20-34. July 10, 1944.

Title page, table of contents, and index. Pp. i-vi, 583-598. December 1, 1944.

VOLUME 95

No. 3179. A collection of birds from northern Guanacaste, Costa Rica, by Alexander Wetmore. Pp. 25-80, pls. 3-6. July 7, 1944.

No. 3180. Studies in Neotropical Mallophaga (III) [Tinamidae No. 2], by M. A. Carriker, Jr. Pp. 81-235, figs. 1-29. October 10, 1944.

No. 3181. The fishes of the family Characinidae from Venezuela, with descriptions of seventeen new forms, by Leonard P. Schultz. Pp. 235-367, figs. 30-56. September 6, 1944.

No. 3182. New genera and species of oriental and Australian plant bugs in the United States National Museum, by Tsai-Yu Hsiao. Pp. 369-396, fig. 57. August 5, 1944.

No. 3183. New species of buprestid beetles from Trinidad, by W. S. Fisher. Pp. 397-409. July 22, 1944.

No. 3184. The Fulgoroidea, or lanternflies, of Trinidad and adjacent parts of South America, by R. G. Fennah. Pp. 411-520, pls. 7-17. May 24, 1945.

No. 3185. Summary of the collections of amphibians made in Mexico under the Walter Rathbone Bacon Traveling Scholarship, by Edward H. Taylor and Hobart M. Smith. Pp. 521-613, figs. 58-61, pls. 18-32. January 30, 1945.

VOLUME 96

No. 3186. Review of the spider monkeys, by Remington Kellogg and E. A. Goldman. Pp. 1-45, figs. 1-2. November 2, 1944.

No. 3187. A revision of the American clingfishes, family Gobiesocidae, with descriptions of new genera and forms, by Leonard P. Schultz. Pp. 47-77, pl. 1. December 30, 1944.

No. 3188. New beetles of the family Eucnemididae from Central America and the West Indies, by W. S. Fisher. Pp. 79-93. May 8, 1945.

No. 3189. New lanternflies (Fulgoroidea) from South America, by R. G. Fennah. Pp. 95-104, pls. 2-3. May 9, 1945.

No. 3190. The genus *Fundella* Zeller: A contribution toward a revision of the American pyralidoid moths of the family Phycitidae, by Carl Heinrich. Pp. 105-114, pls. 4-6. May 18, 1945.

No. 3191. A new genus and two new species of percoid fishes from New Guinea, family Centropomidae, by Leonard P. Schultz. Pp. 115-121, figs. 3-4. March 6, 1945.

No. 3192. Three new sciaenid fishes of the genus *Ophioscion* from the Atlantic coasts of Central and South America, by Leonard P. Schultz. Pp. 123-137, figs. 5-8. April 25, 1945.

No. 3193. The ichneumon-flies of the genus *Cryptanura* Brullé, mainly Tropical American, by R. A. Cushman. Pp. 139-176. May 23, 1945.

No. 3194. Neotropical lanternflies of the genus *Phrictus* in the United States National Museum, with descriptions of four new species, by John S. Caldwell. Pp. 177-184, pls. 7-10. May 16, 1945.

BULLETINS

No. 185, part 3. Checklist of the coleopterous insects of Mexico, Central America, the West Indies, and South America, compiled by Richard E. Blackwelder. Pp. i-iv, 343-550. May 21, 1945.

CONTRIBUTIONS FROM THE UNITED STATES NATIONAL HERBARIUM

VOLUME 29

Part 2. Mexican phanerogams described by M. E. Jones, by C. V. Morton. Pp. 87-116. Asteraceae described from Mexico and the Southwestern United States by M. E. Jones, 1908-1935, by S. F. Blake. Pp. 117-137. May 21, 1945.

PUBLICATIONS OF THE BUREAU OF AMERICAN ETHNOLOGY

The editorial work of the Bureau has continued under the immediate direction of the editor, M. Helen Palmer. During the year the following publications were issued:

Sixty-first Annual Report of the Bureau of American Ethnology, 1943-1944. 9 pp.

Bulletin 142. The contemporary culture of the Cáhita Indians, by Ralph L. Beals. xii+244 pp., 20 pls., 33 figs., 1 map.

List of Publications of the Bureau of American Ethnology, with index to authors and titles. Revised to June 30, 1944. 68 pp.

INSTITUTE OF SOCIAL ANTHROPOLOGY

Publ. No. 1. Houses and house use of the Sierra Tarascans, by Ralph L. Beals, Pedro Carrasco, and Thomas McCorkle. 37 pp., 8 pls., 20 figs. January 4, 1945.

The following publications were in press at the close of the fiscal year:

BULLETINS

137. The Indians of the Southeastern United States, by John R. Swanton.
143. Handbook of South American Indians: vol 1, The marginal tribes; vol. 2, The Andean civilizations; vol. 3, Tropical Forest tribes; vol. 4, The circum-Caribbean tribes.

PUBLICATIONS OF THE INSTITUTE OF SOCIAL ANTHROPOLOGY

No. 2. Cherán: A Sierra Tarascan village, by Ralph L. Beals.
No. 3. Moche, a Peruvian coastal community, by John Gillin.
No. 4. Cultural and historical geography of Southwest Guatemala, by Felix Webster McBryde.

REPORT OF THE AMERICAN HISTORICAL ASSOCIATION

The annual reports of the American Historical Association are transmitted by the Association to the Secretary of the Smithsonian Institution and are communicated by him to Congress, as provided by the act of incorporation of the Association. The following reports were issued this year:

Annual report of the American Historical Association for the year 1942. Volume 3, The quest for political unity in world history.

Annual report of the American Historical Association for the year 1943. Volume 1, Proceedings.

The following were in press at the close of the fiscal year: Annual report for 1943, volume 2 (Writings on American History), Annual report for 1944, volume 1 (Proceedings and Guide to American Historical Review, 1895-1945); volume 2 (Calendar of the American Fur Company's papers, 1831-1849, Part 1).

REPORT OF THE NATIONAL SOCIETY, DAUGHTERS OF THE AMERICAN REVOLUTION

The manuscript of the Forty-seventh Annual Report of the National Society, Daughters of the American Revolution, was transmitted to Congress, in accordance with law, October 16, 1944.

ALLOTMENTS FOR PRINTING

The congressional allotments for the printing of the Smithsonian Annual Reports to Congress and the various publications of the Government bureaus under the administration of the Institution were vir-

tually used up at the close of the year. The appropriation for the coming year ending June 30, 1946, totals \$88,500, allotted as follows:

Smithsonian Institution-----	\$16,000
National Museum-----	43,000
Bureau of American Ethnology-----	17,480
National Collection of Fine Arts-----	500
International Exchanges-----	200
National Zoological Park-----	200
Astrophysical Observatory-----	500
American Historical Association-----	10,620
<hr/>	
Total-----	88,500

Respectfully submitted.

W. P. TRUE, *Chief, Editorial Division.*

Dr. A. WETMORE,

Secretary, Smithsonian Institution.

REPORT OF THE EXECUTIVE COMMITTEE OF THE BOARD OF REGENTS OF THE SMITH- SONIAN INSTITUTION

FOR THE YEAR ENDED JUNE 30, 1945

To the Board of Regents of the Smithsonian Institution:

Your executive committee respectfully submits the following report in relation to the funds of the Smithsonian Institution, together with a statement of the appropriations by Congress for the Government bureaus in the administrative charge of the Institution.

SMITHSONIAN ENDOWMENT FUND

The original bequest of James Smithson was £104,960 8s. 6d.—\$508,318.46. Refunds of money expended in prosecution of the claim, freights, insurance, etc., together with payment into the fund of the sum of £5,015, which had been withheld during the lifetime of Madame de la Batut, brought the fund to the amount of \$550,000.

Since the original bequest, the Institution has received gifts from various sources, the income from which may be used for the general work of the Institution. These, including the original bequest, plus savings, are listed below, together with the income for the present year.

ENDOWMENT FUNDS

(Income for unrestricted use of the Institution)

Partly deposited in U. S. Treasury at 6 percent and partly invested in stocks, bonds, etc.

	Investment	Income present year
Parent Fund (original Smithson bequest, plus accumulated savings).....	\$728,861.07	\$43,700.66
Subsequent bequests, gifts, etc., partly deposited in the U. S. Treasury and partly invested in the Consolidated Fund:		
Avery, Robert S. and Lydia, bequest fund.....	51,245.40	2,129.04
Endowment, from gifts.....	292,397.35	10,118.80
Habel, Dr. S., bequest fund.....	500.00	30.00
Hachenberg, George P. and Caroline, bequest fund.....	4,022.71	139.23
Hamilton, James, bequest fund.....	2,903.78	163.98
Henry, Caroline, bequest fund.....	1,209.71	41.87
Hodgkins, Thomas G. (general) gift.....	146,230.09	8,006.25
Rhees, William Jones, bequest fund.....	1,063.20	51.78
Sanford, George H., memorial fund.....	1,990.41	96.82
Witherspoon, Thomas A., memorial fund.....	129,080.31	4,467.40
Special fund, stock in reorganized closed banks.....	1,400.00	70.00
	632,042.96	25,315.17
Total.....	1,360,904.03	69,015.83

The Institution holds also a number of endowment gifts, the income of each being restricted to specific use. These, plus accretions to date, are listed below, together with income for the present year.

	Investment	Income present year
Abbott, William L., fund, for investigations in biology	\$104,891.63	\$3,534.38
Arthur, James, fund, for investigations and study of the sun and lecture on same	40,002.69	1,384.47
Bacon, Virginia Purdy, fund, for traveling scholarship to investigate fauna of countries other than the United States	50,112.54	1,734.36
Baird, Lucy H., fund, for creating a memorial to Secretary Baird	24,082.45	833.48
Barstow, Frederick D., fund, for purchase of animals for the Zoological Park	760.86	26.34
Canfield Collection fund, for increase and care of the Canfield collection of minerals	38,256.02	1,324.02
Casey, Thomas L., fund, for maintenance of the Casey collection and promotion of researches relating to Coleoptera	9,174.28	317.52
Chamberlain, Francis Lea, fund, for increase and promotion of Isaac Lea collection of gems and mollusks	28,167.08	974.85
Eickemeyer, Florence Brevoort, fund, for preservation and exhibition of photographic collection of Rudolph Eickemeyer, Jr.	507.43	17.56
Hillyer, Virgil, fund, for increase and care of Virgil Hillyer collection of lighting objects	6,573.76	227.51
Hitchcock, Dr. Albert S., Library fund, for care of Hitchcock Agrostological Library	1,478.29	51.16
Hodgkins fund, specific, for increase and diffusion of more exact knowledge in regard to nature and properties of atmospheric air	100,000.00	6,000.00
Hrdlička, Aleš and Marie, fund, to further researches in physical anthropology and publication in connection therewith	21,061.75	311.70
Hughes, Bruce, fund, to found Hughes alcove	19,145.79	662.62
Long, Annette and Edith C., fund, for upkeep and preservation of Long collection of embroideries, laces, etc.	543.13	18.80
Myer, Catherine Walden, fund, for purchase of first-class works of art for the use and benefit of the National Collection of Fine Arts	18,960.17	656.20
National Collection of Fine Arts, Julia D. Strong bequest fund, for benefit of National Collection of Fine Arts	10,000.31	346.11
Pell, Cornelia Livingston, fund, for maintenance of Alfred Duane Pell collection	7,414.19	256.61
Poore, Lucy T. and George W., fund, for general use of the Institution when principal shall amount to \$250,000	96,268.43	4,008.96
Rathbun, Richard, Memorial Fund, for use of division of U. S. National Museum containing Crustacea	\$10,282.15	\$355.86
Reid, Addison T., fund, for founding chair in biology in memory of Asher Tunis	30,055.94	1,388.70
Roebbling fund, for care, improvement, and increase of Roebbling collection of minerals	120,716.53	4,177.93
Rollins, Miriam and William, fund, for investigations in physics and chemistry	93,927.33	3,252.52
Smithsonian employees' retirement fund	64,656.17	2,237.71
Springer, Frank, fund, for care, etc., of Springer collection and library	17,937.03	620.79
Walcott, Charles D. and Mary Vaux, research fund, for development of geological and paleontological studies and publishing results thereof	430,367.55	13,460.66
Younger, Helen Walcott, fund, held in trust	50,118.79	2,517.96
Zerbee, Frances Brincklé, fund, for endowment of aquaria	761.25	26.35
Total	1,396,223.54	50,725.13

The above funds amount to a total of \$2,757,127.57, and are carried in the following investment accounts of the Institution:

U. S. Treasury deposit account, drawing 6 percent interest	\$1,000,000.00
Consolidated investment fund (income in table below)	1,454,957.73
Real estate, mortgages, etc.	250,815.01
Special funds, miscellaneous investments	51,354.83
Total	2,757,127.57

CONSOLIDATED FUND

This fund contains substantially all of the investments of the Institution, with the exception of those of the Freer Gallery of Art; the

deposit of \$1,000,000 in the United States Treasury, with guaranteed income of 6 percent; and investments in real estate and real estate mortgages. This fund contains endowments for both unrestricted and specific use. A statement of principal and income of this fund for the last 10 years follows:

Fiscal year	Principal	Income	Percent- age	Fiscal year	Principal	Income	Percent- age
1936.....	\$723,795.46	\$26,836.61	3.71	1941.....	\$1,093,301.51	\$41,167.38	3.76
1937.....	738,858.54	33,819.43	4.57	1942.....	1,270,968.45	46,701.98	3.67
1938.....	867,528.50	34,679.64	4.00	1943.....	1,316,533.49	50,524.22	3.83
1939.....	902,801.27	30,710.53	3.40	1944.....	1,372,516.41	50,783.79	3.69
1940.....	1,081,249.25	38,673.29	3.47	1945.....	1,454,957.73	50,046.67	3.50

CONSOLIDATED FUND

Gain in investments over year 1944

Investments made from gifts and savings on income.....	\$63,858.97
Investments of gain from sales, etc., of securities.....	18,582.35
Total.....	82,441.32

FREER GALLERY OF ART FUND

Early in 1906, by deed of gift, Charles L. Freer, of Detroit, gave to the Institution his collection of Chinese and other Oriental objects of art, as well as paintings, etchings, and other works of art by Whistler, Thayer, Dewing, and other artists. Later he also gave funds for the construction of a building to house the collection, and finally in his will, probated November 6, 1919, he provided stock and securities to the estimated value of \$1,958,591.42, as an endowment fund for the operation of the Gallery.

The above fund of Mr. Freer was almost entirely represented by 20,465 shares of stock in Parke, Davis & Co. As this stock advanced in value, much of it was sold and the proceeds reinvested so that the fund now amounts to \$5,864,061.73, in a selected list of securities classified later.

The invested funds of the Freer bequest are under the following headings:

Court and grounds fund.....	\$656,922.55
Court and grounds maintenance fund.....	164,994.12
Curator fund.....	668,523.81
Residuary legacy fund.....	4,373,621.25
Total.....	5,864,061.73

Statement of principal and income for the last 10 years

Fiscal year	Principal	Income	Percent- age
1936.....	\$4, 651, 867. 07	\$259, 420. 73	5. 39
1937.....	4, 881, 986. 96	280, 969. 53	5. 75
1938.....	4, 820, 777. 31	255, 651. 61	5. 30
1939.....	5, 075, 976. 76	212, 751. 78	4. 19
1940.....	6, 112, 953. 46	242, 573. 92	3. 96
1941.....	6, 030, 586. 91	233, 079. 22	3. 86
1942.....	5, 912, 878. 64	241, 557. 77	4. 08
1943.....	5, 836, 772. 01	216, 125. 07	3. 70
1944.....	5, 881, 402. 17	212, 395. 27	3. 61
1945.....	5, 864, 061. 73	212, 552. 69	3. 62

FREER FUND

Loss during present year from sale, call of securities, etc.----- \$17, 340. 44

SUMMARY OF ENDOWMENTS

Invested endowment for general purposes----- \$1, 360, 904. 03
Invested endowment for specific purposes other than Freer en-
dowment----- 1, 396, 223. 54

Total invested endowment other than Freer endowment--- 2, 757, 127. 57
Freer invested endowment for specific purposes----- 5, 864, 061. 73

Total invested endowment for all purposes----- 8, 621, 189. 30

CLASSIFICATION OF INVESTMENTS

Deposited in the U. S. Treasury at 6 percent per annum, as
authorized in the United States Revised Statutes, sec. 5591---- \$1, 000, 000. 00
Investments other than Freer endowment (cost or
market value at date acquired):

Bonds (19 different groups)----- \$711, 260. 57
Stocks (43 different groups)----- 858, 132. 48
Real estate and first-mortgage notes----- 180, 296.14
Uninvested capital----- 7, 438. 38

1, 757, 127. 57

Total investments other than Freer endowment----- 2, 757, 127. 57

Investment of Freer endowment (cost or market
value at date acquired):

Bonds (36 different groups)----- 3, 039, 890. 60
Stocks (50 different groups)----- 2, 779, 031. 83
Real estate first-mortgage notes----- 4, 000. 00
Uninvested capital----- 41, 139. 30

5, 864, 061. 73

Total investments----- 8, 621, 189. 30

CASH BALANCES, RECEIPTS, AND DISBURSEMENTS DURING
FISCAL YEAR 1945¹

Cash balance on hand June 30, 1944-----		\$719, 314. 48
Receipts:		
Cash income from various sources for general work of the Institution-----	\$88, 398. 91	
Cash gifts and contributions expendable for special scientific objects (not for investment)-----	7, 343. 27	
Cash gifts for special scientific work (to be in- vested)-----	10, 150. 00	
Cash income from endowments for specific use other than Freer endowment and from mis- cellaneous sources (including refund of tem- porary advances)-----	154, 112. 47	
Cash capital from sale, call of securities, etc. (for investment)-----	362, 791. 36	
Total receipts other than Freer endowment-----		622, 796. 01
Cash income from Freer endowment-----	212, 552. 69	
Cash capital from sale, call of securities, etc. (for investment)-----	1, 425, 529. 25	
Total receipts from Freer endowment-----		1, 638, 081. 94
Total-----		2, 980, 192. 43
Disbursements:		
From funds for general work of the Institution:		
Buildings—care, repairs, and alterations--	3, 220. 00	
Furniture and fixtures-----	251. 98	
General administration-----	23, 721. 92	
Library-----	2, 832. 60	
Publications (comprising preparation, printing and distribution)-----	20, 964. 34	
Researches and explorations-----	17, 397. 14	
		68, 337. 98
From funds for specific use other than Freer endowment:		
Investments made from gifts and from sav- ings on income-----	37, 313. 60	
Other expenditures, consisting largely of research work, travel, increase and care of special collections, etc., from income of endowment funds, and from cash gifts for specific use (including temporary advances)-----	121, 478. 77	
Reinvestment of cash capital from sale, call of securities, etc-----	349, 971. 04	
Cost of handling securities, fee of invest- ment counsel, and accrued interest on bonds purchased-----	3, 781. 25	
		512, 544. 66

¹ This statement does not include Government appropriations under the administrative charge of the Institution.

Disbursements—Continued.

From Freer endowment:

Operating expenses of the gallery, salaries, field expenses, etc.....	\$58, 013. 42
Purchase of art objects.....	164, 177. 12
Reinvestment of cash capital from sale, call of securities, etc.....	1, 390, 671. 18
Cost of handling securities, fee of invest- ment counsel, and accrued interest on bonds purchased.....	26, 179. 98
	<hr/> \$1, 639, 041. 70
Cash balance June 30, 1945.....	760, 218. 09
Total.....	<hr/> 2, 980, 192. 43

Included in the above receipts was cash received as royalties from sales of Smithsonian Scientific Series to the amount of \$26,564.20. This was distributed as follows:

Smithsonian Institution Endowment Fund.....	\$11, 803. 85
Smithsonian Institution Emergency Fund.....	2, 950. 96
Smithsonian Institution Unrestricted Fund, General.....	8, 852. 89
Salaries.....	2, 956. 50
	<hr/> 26, 564. 20

Included in the foregoing are expenditures for researches in pure science, publications, explorations, care, increase, and study of collections, etc., as follows:

Expended from general funds of the Institution:

Publications.....	\$20, 964. 34
Researches and explorations.....	17, 397. 14
	<hr/> \$38, 361. 48

Expenditures from funds devoted to specific purposes:

Researches and explorations.....	24, 939. 07
Care, increase, and study of special collections.....	9, 129. 85
Publications.....	7, 681. 92
	<hr/> 41, 750. 84
Total.....	<hr/> 80, 112. 32

The practice of depositing on time in local trust companies and banks such revenues as may be spared temporarily has been continued during the past year, and interest on these deposits has amounted to \$469.79.

The Institution gratefully acknowledges gifts or bequests from the following:

American Malacological Union, toward publication of bibliography and short biographical sketch of Dr. W. H. Dall.

Mr. Conrad Chapman, work on bamboo collections.

Office of Inter-American Affairs, for researches in anthropology of Colombia, by Dr. Gregorio Hernandez de Alba.

Miss Mary Jane Rathbun, memorial fund to Richard Rathbun.

Viking Fund, for researches among the Iroquois Indians.

All payments are made by check, signed by the Secretary of the Institution on the Treasurer of the United States, and all revenues are deposited to the credit of the same account. In many instances deposits are placed in bank for convenience of collection and later are withdrawn and deposited in the U. S. Treasury.

The foregoing report relates only to the private funds of the Institution.

The following annual appropriations were made by Congress for the Government bureaus under the administrative charge of the Smithsonian Institution for the fiscal year 1945:

Salaries and Expenses.....	\$1, 224, 090. 00
National Zoological Park, D. C.....	334, 651. 00
Cooperation with the American Republics (transfer from State Department).....	67, 432. 00

The report of the audit of the Smithsonian private funds is given below:

SEPTEMBER 26, 1945.

EXECUTIVE COMMITTEE, BOARD OF REGENTS,

Smithsonian Institution, Washington, D. C.

SIRS: Pursuant to agreement we have audited the accounts of the Smithsonian Institution for the fiscal year ended June 30, 1945, and certify the balances of cash on hand, including Petty Cash Fund, June 30, 1945, to be \$762,118.09.

We have verified the records of receipts and disbursements maintained by the Institution and the agreement of the book balances with the bank balances.

We have examined all the securities in the custody of the Institution and in the custody of the banks and found them to agree with the book records.

We have compared the stated income of such securities with the receipts of records and found them in agreement therewith.

We have examined all vouchers covering disbursements for account of the Institution during the fiscal year ended June 30, 1945, together with the authority therefor, and have compared them with the Institution's record of expenditures and found them to agree.

We have examined and verified the accounts of the Institution with each trust fund.

We found the books of account and records well and accurately kept and the securities conveniently filed and securely cared for.

All information requested by your auditors was promptly and courteously furnished.

We certify the Balance Sheet, in our opinion, correctly presents the financial condition of the Institution as at June 30, 1945.

Respectfully submitted.

WILLIAM L. YEAGER,
Certified Public Accountant.

Respectfully submitted.

FREDERIC A. DELANO,
VANNEVAR BUSH,
CLARENCE CANNON,
Executive Committee.



SMITHSONIAN INSTITUTION LIBRARIES



3 9088 01296 8574

